

- A104 *Withdrawn 1939; Methods of Chemical Analysis of Ferro-Alloys; Replaced by E31*
- A105/A105M-13** Specification for Carbon Steel Forgings for Piping Applications, **01.01**
- A106/A106M-13** Specification for Seamless Carbon Steel Pipe for High-Temperature Service, **01.01**
- A107 *Withdrawn 1968; Specification for Hot-Rolled Carbon Steel Bars; Replaced by A575, A576*
- A108-13** Specification for Steel Bar, Carbon and Alloy, Cold-Finished, **01.05**  
A109M *Withdrawn 1998; Replaced by A109/A109M*
- A109/A109M-13** Specification for Steel, Strip, Carbon (0.25 Maximum Percent), Cold-Rolled, **01.03**
- A110 *Withdrawn 1936; Test Method for Weight of Coating on Zinc-Coated (Galvanized) Iron or Steel Articles; Replaced by A90*
- A111-99a(2009)** Specification for Zinc-Coated (Galvanized) "Iron" Telephone and Telegraph Line Wire, **01.06**
- A112 *Withdrawn 1990; Specification for Zinc-Coated (Galvanized) Steel Tie Wires*
- A113 *Withdrawn 1979; Specification for Structural Steel for Locomotives and Cars*
- A114 *Withdrawn 1940; Specification for Marine Boiler Steel Plates*
- A115 *Withdrawn 1937; Specification for Alloy Tool Steel*
- A116-11** Specification for Metallic-Coated, Steel-Woven Wire Fence Fabric, **01.06**
- A117 *Withdrawn 1956; Specification for Zinc-Coated Iron or Steel Chain-Link Fence Fabric Galvanized After Wearing; Replaced by A392*
- A118 *Withdrawn 1933; Specification for Zinc-Coated Iron or Steel Chain-Link Fence Fabric Galvanized Before Wearing*
- A119 *Withdrawn 1943; Definitions of Terms Relating to Heat Treatment Metals; Replaced by E44*
- A120 *Withdrawn 1987; Specification for Pipe, Steel, Black and Hot-Dipped Zinc-Coated (Galvanized) Welded and Seamless for Ordinary Uses; Replaced by A53*
- A121-13** Specification for Metallic-Coated Carbon Steel Barbed Wire, **01.06**
- A122 *Withdrawn 1963; Specification for Zinc-Coated Steel Wire Strand (Galvanized) and Class A Extra Galvanized; Replaced by A475*
- A123/A123M-13** Specification for Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products, **01.06**
- A124 *Withdrawn 1940; Specification for Arbitration Test Bar and Tension Test Specimen for Cast Iron*
- A125-96(2013)<sup>1</sup>** Specification for Steel Springs, Helical, Heat-Treated, **01.05**
- A126-04(2009)** Specification for Gray Iron Castings for Valves, Flanges, and Pipe Fittings, **01.02**
- A127 *Withdrawn 1949; Definitions of Terms Relating to Magnetic Testing; Re-designated A340*
- A128/A128M-93(2012)** Specification for Steel Castings, Austenitic Manganese, **01.02**
- A129 *Withdrawn 1969; Specification for Open-Hearth Iron Plates for Pressure Vessels*
- A130 *Withdrawn 1937; Methods for Chemical Analysis of Steel Cast Iron, Open-Hearth Iron, and Wrought Iron; Replaced by E30*
- A131/A131M-13** Specification for Structural Steel for Ships, **01.04**
- A132-04(2009)** Specification for Ferromolybdenum, **01.02**
- A133 *Withdrawn 1941; Specification for Alloy-Steel Forgings for Locomotives and Cars; Replaced by A237, A238*
- A134-96(2012)** Specification for Pipe, Steel, Electric-Fusion (Arc)-Welded (Sizes NPS 16 and Over), **01.01**
- A135/A135M-09** Specification for Electric-Resistance-Welded Steel Pipe, **01.01**
- A136 *Withdrawn 1945; Specification for Forge-Welded Steel Pipe*
- A137 *Withdrawn 1943; Specification for Lock-Bar Steel Pipe*
- A138 *Withdrawn 1945; Specification for Riveted Steel and Wrought-Iron Pipe*
- A139/A139M-04(2010)** Specification for Electric-Fusion (Arc)-Welded Steel Pipe (NPS 4 and Over), **01.01**
- A140 *Withdrawn 1935; Specification for Steel for Bridges and Buildings*
- A141 *Withdrawn 1967; Specification for Structural Rivet Steel; Replaced by A502*
- A142 *Withdrawn 1977; Specification for Cast Iron Culvert Pipe; Replaced by A716*
- A143/A143M-07** Practice for Safeguarding Against Embrittlement of Hot-Dip Galvanized Structural Steel Products and Procedure for Detecting Embrittlement, **01.06**
- A144-04(2009)** Specification for Ferrotungsten, **01.02**
- A145 *Withdrawn 1940; Specification for Low-Carbon Ferromolybdenum; Replaced by A132*
- A146-04(2009)** Specification for Molybdenum Oxide Products, **01.02**
- A147 *Withdrawn 1984; Specification for Heat-Treated Steel Leaf Springs*
- A148/A148M-08** Specification for Steel Castings, High Strength, for Structural Purposes, **01.02**
- A149 *Withdrawn 1940; Specification for High Tensile Strength Carbon-Steel Plates for Boilers and Other Pressure Vessel Plates (2 in.); Replaced by A212*
- A150 *Withdrawn 1940; Specification for High Tensile Strength Carbon-Silicon Steel Plates for Boilers and Other Pressure Vessel; Replaced by A212*
- A151 *Withdrawn 1938; Specification for Steel Suitable for Fusion Welding*
- A152 *Withdrawn 1972; Specification for Wrought Iron Rivets and Rivet Rounds*
- A153/A153M-09** Specification for Zinc Coating (Hot-Dip) on Iron and Steel Hardware, **01.06**
- A154 *Withdrawn 1936; Specification for Mild-to-Medium-Strength Carbon-Steel Castings for General Application; Replaced by A27, A180*
- A155 *Withdrawn 1978; Specification for Electric-Fusion Welded Steel Pipe for High-Pressure Service; Replaced by A671, A672, A691*
- A156 *Withdrawn 1936; Specification for Molybdenum Salts and Compounds; Combined with A 146*
- A157 *Withdrawn 1953; Specification for Alloy-Steel Castings for Pressure Containing Parts Suitable for High-Temperature Service; Replaced by A217, A351*
- A158 *Withdrawn 1953; Specification for Seamless Ferritic Alloy-Steel Pipe for High-Temperature Service; Replaced by A335*
- A159-83(2011)** Specification for Automotive Gray Iron Castings, **01.02**
- A160 *Withdrawn 1969; Specification for Axle-Steel Bars for Concrete Reinforcement; Replaced by A617*
- A161 *Withdrawn 1999; Specification for Seamless Low-Carbon and Carbon-Molybdenum Steel Still Tubes for Refinery Service; Replaced by A192, A209*
- A162 *Withdrawn 1973; Specification for Uncoated Wrought Iron Sheets*
- A163 *Withdrawn 1972; Specification for Zinc-Coated (Galvanized) Wrought Iron Sheets*
- A164 *Withdrawn 1981; Specification for Electrodeposited Coatings of Zinc on Steel; Replaced by B633*
- A165 *Withdrawn 1988; Specification for Electrodeposited Coatings of Cadmium on Steel; Replaced by B766*
- A166 *Withdrawn 1968; Specification for Electrodeposited Coatings of Nickel and Chromium on Steel; Replaced by B456*
- A167-99(2009)** Specification for Stainless and Heat-Resisting Chromium-Nickel Steel Plate, Sheet, and Strip, **01.03**
- A168 *Withdrawn 1947; Specification for Corrosion-Resistant Iron-Chromium and Iron-Chromium-Nickel Alloy Castings for General Application; Replaced by A296, A297*
- A169 *Withdrawn 1947; Specification for Corrosion-Resistant Iron-Chromium and Iron-Chromium-Nickel Alloy Castings for General Application; Replaced by A296, A297*
- A170 *Withdrawn 1947; Specification for Corrosion-Resistant Iron-Chromium and Iron-Chromium-Nickel Alloy Castings for General Application; Replaced by A296, A297*
- A171 *Withdrawn 1947; Specification for Corrosion-Resistant Iron-Chromium and Iron-Chromium-Nickel Alloy Castings for General Application; Replaced by A296, A297*
- A172 *Withdrawn 1947; Specification for Corrosion-Resistant Iron-Chromium and Iron-Chromium-Nickel Alloy Castings for General Application; Replaced by A296, A297*
- A173 *Withdrawn 1954; Specification for Corrosion-Resistant Iron-Chromium and Iron-Chromium-Nickel Alloy Castings for General Application; Replaced by A296, A297*
- A174 *Withdrawn 1940; Specification for Corrosion-Resistant Iron-Chromium and Iron-Chromium-Nickel Alloy Castings for General Application; Replaced by A296, A297*
- A175 *Withdrawn 1947; Specification for Corrosion-Resistant Iron-Chromium and Iron-Chromium-Nickel Alloy Castings for General Application; Replaced by A296, A297*
- A176-99(2009)** Specification for Stainless and Heat-Resisting Chromium Steel Plate, Sheet, and Strip, **01.03**
- A177 *Withdrawn 1989; Specification for High-Strength Stainless and Chromium-Nickel Steel Sheet and Strip; Replaced by A666*
- A178/A178M-02(2012)** Specification for Electric-Resistance-Welded Carbon Steel and Carbon-Manganese Steel Boiler and Superheater Tubes, **01.01**
- A179/A179M-90a(2012)** Specification for Seamless Cold-Drawn Low-Carbon Steel Heat-Exchanger and Condenser Tubes, **01.01**
- A180 *Withdrawn 1937; Specification for Mild-to-Medium-Strength Carbon-Steel Castings for General Application; Replaced by A27*
- A181/A181M-13** Specification for Carbon Steel Forgings, for General-Purpose Piping, **01.01**
- A182/A182M-13a** Specification for Forged or Rolled Alloy and Stainless Steel Pipe Flanges, Forged Fittings, and Valves and Parts for High-Temperature Service, **01.01**
- A183-03(2009)** Specification for Carbon Steel Track Bolts and Nuts, **01.04**
- A184/A184M-06(2011)** Specification for Welded Deformed Steel Bar Mats for Concrete Reinforcement, **01.04**
- A185/A185M *Withdrawn 2013; Specification for Steel Welded Wire Reinforcement, Plain, for Concrete; Replaced by A1064*
- A186 *Withdrawn 1966; Specification for One-Wear Wrought Steel Wheels; Replaced by A504*
- A187 *Withdrawn 1943; Specification for Seamless Cold-Drawn Alloy-Steel (4 to 6 Percent Chromium) Heat Exchanger and Condenser Tubes*
- A188 *Withdrawn 1943; Specification for Seamless Alloy-Steel (4 to 6 Percent Chromium) Still Tubes for Refinery Service*
- A189 *Withdrawn 1972; Specification for Single and Double Refined Wrought Iron Bars*
- A190 *Withdrawn 1962; Specification for Light Weight and Thin-Sectioned Gray Iron Castings*
- A191 *Withdrawn 1942; Test Method for Uniformity of Coating by the Preece Test (Copper Sulfate Dip) on Zinc-Coated (Galvanized) Iron or Steel Articles; Replaced by A239*
- A192/A192M-02(2012)** Specification for Seamless Carbon Steel Boiler Tubes for High-Pressure Service, **01.01**
- A193/A193M-12b** Specification for Alloy-Steel and Stainless Steel Bolting for High Temperature or High Pressure Service and Other Special Purpose Applications, **01.01**
- A194/A194M-13** Specification for Carbon and Alloy Steel Nuts for Bolts for

- High Pressure or High Temperature Service, or Both, **01.01**
- A195 *Withdrawn*; Specification for High-Strength Structural Rivet Steel; Replaced by A502
- A196 *Withdrawn* 1962; Guidelines for Cast Iron
- A197M *Withdrawn* 1998; Replaced by A197/A197M
- A197/A197M-00(2011)** Specification for Cupola Malleable Iron, **01.02**
- A198 *Withdrawn* 1947; Specification for Corrosion-Resistant Iron-Chromium and Iron-Chromium-Nickel Alloy Castings for General Application; Replaced by A296, A297
- A199/A199M *Withdrawn* 1995; Specification for Seamless Cold-Drawn Intermediate Alloy-Steel Heat-Exchanger and Condenser Tubes; Replaced by A213
- A200 *Withdrawn* 1999; Specification for Seamless Intermediate Alloy-Steel Still Tubes for Refinery Service; Replaced by A213/A213M
- A201 *Withdrawn* 1967; Specification for Carbon-Silicon Steel Plates of Intermediate Tensile Ranges for Fusion-Welded Boilers and Other Pressure Vessels; Replaced by A515, A516
- A202/A202M *Withdrawn* 2004; Specification for Pressure Vessel Plates, Alloy Steel, Chromium-Manganese-Silicon
- A203/A203M-12** Specification for Pressure Vessel Plates, Alloy Steel, Nickel, **01.04**
- A204/A204M-12** Specification for Pressure Vessel Plates, Alloy Steel, Molybdenum, **01.04**
- A205 *Withdrawn* 1967; Specification for Iron and Steel Filler Metal (Arc-Welding Electrodes and Gas-Welding Rods); Replaced by A233, A251
- A206 *Withdrawn* 1953; Specification for Seamless Ferritic Alloy-Steel Pipe for High-Temperature Service; Replaced by A335
- A207 *Withdrawn* 1972; Specification for Rolled Wrought Iron Shapes and Bars
- A208 *Withdrawn* 1941; Method of Test for Uniformity of Coating by the Preece Test (Copper Sulfate Dip) on Zinc or Steel Articles; Replaced by A239
- A209/A209M-03(2012)** Specification for Seamless Carbon-Molybdenum Alloy-Steel Boiler and Superheater Tubes, **01.01**
- A210/A210M-02(2012)** Specification for Seamless Medium-Carbon Steel Boiler and Superheater Tubes, **01.01**
- A211 *Withdrawn* 1993; Specification for Spiral-Welded Steel or Iron Pipe
- A212 *Withdrawn* 1967; Specification for High Tensile Strength Carbon-Silicon Steel Plates for Boilers and Other Pressure Vessels; Replaced by A515, A516
- A213/A213M-13** Specification for Seamless Ferritic and Austenitic Alloy-Steel Boiler, Superheater, and Heat-Exchanger Tubes, **01.01**
- A214/A214M-96(2012)** Specification for Electric-Resistance-Welded Carbon Steel Heat-Exchanger and Condenser Tubes, **01.01**
- A215 *Withdrawn* 1947; Specification for Mild-to-Medium-Strength Carbon-Steel Castings for General Application; Replaced by A27
- A216/A216M-12** Specification for Steel Castings, Carbon, Suitable for Fusion Welding, for High-Temperature Service, **01.02**
- A217/A217M-12** Specification for Steel Castings, Martensitic Stainless and Alloy, for Pressure-Containing Parts, Suitable for High-Temperature Service, **01.02**
- A218 *Withdrawn* 1963; Specification for Zinc-Coated Steel Wire Strand (Class B and Class C Coatings); Replaced by A475
- A219 *Withdrawn* 1972; Methods of Test for Local Thickness of Electrodeposited Coatings; Replaced by B244, B487, B499, B504, B529, B530
- A220M *Withdrawn* 1999; Replaced by A220/A220M
- A220/A220M-99(2009)** Specification for Pearlitic Malleable Iron, **01.02**
- A221 *Withdrawn* 1947; Specification for Corrosion-Resistant Iron-Chromium and Iron-Chromium-Nickel Alloy Castings for General Application; Replaced by A296, A297
- A222 *Withdrawn* 1947; Specification for Corrosion-Resistant Iron-Chromium and Iron-Chromium-Nickel Alloy Castings for General Application; Replaced by A296, A297
- A223 *Withdrawn* 1947; Specification for Corrosion-Resistant Iron-Chromium and Iron-Chromium-Nickel Alloy Castings for General Application; Replaced by A296, A297
- A224 *Withdrawn* 1969; Recommended Practice for Conducting Plant Corrosion Tests; Replaced by G4
- A225/A225M-12** Specification for Pressure Vessel Plates, Alloy Steel, Manganese-Vanadium-Nickel, **01.04**
- A226/A226M *Withdrawn* 1997; Specification for Electric-Resistance-Welded Carbon Steel Boiler and Superheater Tubes for High-Pressure Service
- A227/A227M-06(2011)** Specification for Steel Wire, Cold-Drawn for Mechanical Springs, **01.03**
- A228/A228M-07** Specification for Steel Wire, Music Spring Quality, **01.03**
- A229/A229M-12** Specification for Steel Wire, Quenched and Tempered for Mechanical Springs, **01.03**
- A230/A230M-05(2011)<sup>e1</sup>** Specification for Steel Wire, Oil-Tempered Carbon Valve Spring Quality, **01.03**
- A231/A231M-10** Specification for Chromium-Vanadium Alloy Steel Spring Wire, **01.03**
- A232/A232M-05(2011)<sup>e1</sup>** Specification for Chromium-Vanadium Alloy Steel Valve Spring Quality Wire, **01.03**
- A233 *Withdrawn* 1970; Specification for Mild Steel Covered Arc-Welding Electrodes
- A234/A234M-13** Specification for Piping Fittings of Wrought Carbon Steel and Alloy Steel for Moderate and High Temperature Service, **01.01**
- A235 *Withdrawn* 1975; Specification for Carbon Steel Forgings for General Industrial Use; Replaced by A668
- A236 *Withdrawn* 1981; Specification for Carbon Steel Forgings for Railway Use
- A237 *Withdrawn* 1975; Specification for Alloy Steel Forgings for General Industrial Use; Replaced by A668
- A238 *Withdrawn* 1989; Specification for Forgings, Alloy Steel, for Railway Use; Replaced by A730
- A239-95(2009)<sup>e1</sup>** Practice for Locating the Thinnest Spot in a Zinc (Galvanized) Coating on Iron or Steel Articles, **01.06**
- A240/A240M-13c** Specification for Chromium and Chromium-Nickel Stainless Steel Plate, Sheet, and Strip for Pressure Vessels and for General Applications, **01.03**
- A241 *Withdrawn* 1979; Specification for Hot-Worked High-Carbon Steel Tie Plates; Replaced by A67
- A242/A242M-13** Specification for High-Strength Low-Alloy Structural Steel, **01.04**
- A243 *Withdrawn* 1975; Specification for Carbon and Alloy Steel Ring, Hollow Cylinder, and Disk Forgings for General Industrial Use; Replaced by A668
- A244 *Withdrawn* 1947; Specification for Multiple-Wear Wrought Steel Wheels; Replaced by A504
- A245 *Withdrawn* 1972; Specification for Flat-Rolled Carbon Steel Sheets of Structural Quality; Replaced by A570, A611
- A246 *Withdrawn* 1958; Specification for Light Gage Structural Quality Flat Rolled Carbon-Steel Sheets; Replaced by A245
- A247-10** Test Method for Evaluating the Microstructure of Graphite in Iron Castings, **01.02**
- A248 *Withdrawn* 1972; Specification for Carbon-Steel and Alloy-Steel Blooms, Billets, and Slabs for Forgings; Replaced by A273, A274
- A249/A249M-10a** Specification for Welded Austenitic Steel Boiler, Superheater, Heat-Exchanger, and Condenser Tubes, **01.01**
- A250/A250M-05(2009)** Specification for Electric-Resistance-Welded Ferritic Alloy-Steel Boiler and Superheater Tubes, **01.01**
- A251 *Withdrawn* 1970; Specification for Iron and Steel Gas-Welding Rods; Replaced by A251
- A252-10** Specification for Welded and Seamless Steel Pipe Piles, **01.01**
- A253 *Withdrawn* 1962; Specification for Welded and Seamless Open-Hearth Iron Pipe
- A254/A254M-12** Specification for Copper-Brazed Steel Tubing, **01.01**
- A255-10** Test Methods for Determining Hardenability of Steel, **01.05**
- A256 *Withdrawn* 1990; Method of Compression Testing of Cast Iron
- A257 *Withdrawn* 1945; Methods of Permeability and Core Loss of Flat-Rolled Magnetic Materials using 28 cm Specimen; Replaced by A34
- A258 *Withdrawn* 1945; Methods of Testing Magnetic Materials; Replaced by A34
- A259 *Withdrawn* 1945; Methods of Testing Magnetic Materials; Replaced by A34
- A260 *Withdrawn* 1966; Recommended Practice for Torsion Tests of Cast Iron
- A261 *Withdrawn* 1959; Specification for Heat-Treated Carbon-Steel Bolting Material
- A262-13** Practices for Detecting Susceptibility to Intergranular Attack in Austenitic Stainless Steels, **01.03**
- A263-12** Specification for Stainless Chromium Steel-Clad Plate, **01.04**
- A264-12** Specification for Stainless Chromium-Nickel Steel-Clad Plate, **01.04**
- A265-12** Specification for Nickel and Nickel-Base Alloy-Clad Steel Plate, **01.04**
- A266/A266M-11** Specification for Carbon Steel Forgings for Pressure Vessel Components, **01.05**
- A267 *Withdrawn* 1954; Specification for Lead Coating (Hot-Dip) on Iron or Steel Hardware
- A268/A268M-10** Specification for Seamless and Welded Ferritic and Martensitic Stainless Steel Tubing for General Service, **01.01**
- A269-13** Specification for Seamless and Welded Austenitic Stainless Steel Tubing for General Service, **01.01**
- A270/A270M-10** Specification for Seamless and Welded Austenitic and Ferritic/Austenitic Stainless Steel Sanitary Tubing, **01.01**
- A271 *Withdrawn* 1999; Specification for Seamless Austenitic Chromium-Nickel Steel Still Tubes for Refinery Service; Replaced by A213/A213M
- A272 *Withdrawn* 1945; Method of Magnetic Particle Testing and Inspection of Commercial Steel Castings; Replaced by E109
- A273 *Withdrawn* 1975; Specification for Carbon-Steel Blooms, Billets, and Slabs for Forgings; Replaced by A711
- A274 *Withdrawn* 1975; Specification for Alloy-Steel Blooms, Billets, and Slabs for Forgings; Replaced by A711
- A275/A275M-08(2013)** Practice for Magnetic Particle Examination of Steel Forgings, **01.05**
- A276-13a** Specification for Stainless Steel Bars and Shapes, **01.03**
- A277 *Withdrawn* 1952; Specification for Malleable Iron Flanges, Pipe Fittings, and Valve Parts for Railroad, Marine and Other Heavy Duty Service; Replaced by A338
- A278M *Withdrawn* 2001; Replaced by A278/A278M
- A278/A278M-01(2011)** Specification for Gray Iron Castings for Pressure-Containing Parts for Temperatures Up to 650°F (350°C), **01.02**
- A279 *Withdrawn* 1945; Method of Total Immersion Corrosion Test of Stainless Steels; Replaced by G31
- A280 *Withdrawn* 1953; Specification for Seamless Ferritic Alloy-Steel Pipe for Service at High Temperatures; Replaced by A335
- A281 *Withdrawn* 1947; Specification for Mild to Medium Strength Carbon-Steel Castings for General Application; Replaced by A27
- A282 *Withdrawn* 1945; Specification for High-Strength Steel Castings for Structural Purposes; Replaced by A148
- A283/A283M-13** Specification for Low and Intermediate Tensile Strength Carbon Steel Plates, **01.04**
- A284/A284M *Withdrawn* 1992; Specification for Low and Intermediate Tensile Strength Carbon-Silicon Steel Plates for Machine Parts and General

- Construction; Replaced by A283/A283M*
- A285/A285M-12** Specification for Pressure Vessel Plates, Carbon Steel, Low- and Intermediate-Tensile Strength, **01.04**
- A286** Withdrawn 1960; Specification for Heat-Treated Alloy-Steel Bars; Replaced by A434
- A287** Withdrawn 1955; Specification for Rolled Carbon-Steel Locomotive Frames
- A288-91(2013)** Specification for Carbon and Alloy Steel Forgings for Magnetic Retaining Rings for Turbine Generators, **01.05**
- A289/A289M-97(2013)** Specification for Alloy Steel Forgings for Nonmagnetic Retaining Rings for Generators, **01.05**
- A290/A290M-05(2010)** Specification for Carbon and Alloy Steel Forgings for Rings for Reduction Gears, **01.05**
- A291/A291M-05(2010)** Specification for Steel Forgings, Carbon and Alloy, for Pinions, Gears and Shafts for Reduction Gears, **01.05**
- A292** Withdrawn 1968; Specification for Carbon and Alloy Steel Forgings for Turbine Generator Rotors and Shafts; Replaced by A469
- A293** Withdrawn 1984; Specification for Steel Forgings, Carbon and Alloy, for Turbine Generator Rotors and Shafts; Replaced by A470
- A294** Withdrawn 1988; Specification for Alloy Steel Forgings for Turbine Wheels and Disks; Replaced by A471
- A295/A295M-09** Specification for High-Carbon Anti-Friction Bearing Steel, **01.05**
- A296** Withdrawn 1980; Specification for Corrosion-Resistant Iron-Chromium and Iron-Chromium Nickel and Nickel-B Alloy Castings; Replaced by A743, A744
- A297/A297M-10** Specification for Steel Castings, Iron-Chromium and Iron-Chromium-Nickel, Heat Resistant, for General Application, **01.02**
- A298** Withdrawn 1970; Specification for Corrosion-Resistant Chromium and Chromium-Nickel Steel Covered Welding Electrodes; Replaced by A298
- A299/A299M-09** Specification for Pressure Vessel Plates, Carbon Steel, Manganese-Silicon, **01.04**
- A300** Withdrawn 1975; Specification for Notch Toughness Requirements for Normalized Steel Plates for Pressure Vessels
- A301** Withdrawn 1956; Specification for Chromium-Molybdenum Steel Plates for Boilers and Other Pressure Vessels; Replaced by A387
- A302/A302M-12** Specification for Pressure Vessel Plates, Alloy Steel, Manganese-Molybdenum and Manganese-Molybdenum-Nickel, **01.04**
- A303** Withdrawn 1970; Specification for Hot-Rolled Carbon Steel Strip of Structural Quality; Replaced by A570
- A304-11** Specification for Carbon and Alloy Steel Bars Subject to End-Quench Hardenability Requirements, **01.05**
- A305** Withdrawn 1968; Specification for Minimum Requirements for the Deformations of Deformed Steel Bars for Concrete Reinforcement; Replaced by A615, A616, A617
- A306** Withdrawn 1975; Specification for Carbon Steel Bars Subject to Mechanical Property Requirements; Replaced by A663, A675
- A307-12** Specification for Carbon Steel Bolts, Studs, and Threaded Rod 60 000 PSI Tensile Strength, **01.08**
- A308/A308M-10** Specification for Steel Sheet, Terne (Lead-Tin Alloy) Coated by the Hot-Dip Process, **01.06**
- A309-01(2012)** Test Method for Weight and Composition of Coating on Terne Sheet by the Triple-Spot Test, **01.06**
- A310** Withdrawn 1949; Specification for Flat-Rolled Electrical Steel; Redesignated A345
- A311/A311M-04(2010)** Specification for Cold-Drawn, Stress-Relieved Carbon Steel Bars Subject to Mechanical Property Requirements, **01.05**
- A312/A312M-13b** Specification for Seamless, Welded, and Heavily Cold Worked Austenitic Stainless Steel Pipes, **01.01**
- A313/A313M-13** Specification for Stainless Steel Spring Wire, **01.03**
- A314-13a** Specification for Stainless Steel Billets and Bars for Forging, **01.03**
- A315** Withdrawn 1952; Specification for Seamless Ferritic Alloy-Steel Pipe for Service at High Temperatures; Replaced by A335
- A316** Withdrawn 1969; Specification for Low-Alloy Steel Covered Filler Metal Arc-Welding Electrodes
- A317** Withdrawn 1975; Method of Macroetch Testing and Inspection of Steel Forgings; Replaced by E381
- A318** Withdrawn 1976; Method of Tension Testing and Inspection of Steel Spring Wire; Replaced by A370
- A319-71(2011)** Specification for Gray Iron Castings for Elevated Temperatures for Non-Pressure Containing Parts, **01.02**
- A320/A320M-11a** Specification for Alloy-Steel and Stainless Steel Bolting for Low-Temperature Service, **01.01**
- A321** Withdrawn 2007; Specification for Steel Bars, Carbon, Quenched and Tempered
- A322-13** Specification for Steel Bars, Alloy, Standard Grades, **01.05**
- A323-05(2010)** Specification for Ferroboration, **01.02**
- A324-08(2013)** Specification for Ferrotitanium, **01.02**
- A325-10<sup>1</sup>** Specification for Structural Bolts, Steel, Heat Treated, 120/105 ksi Minimum Tensile Strength, **01.08**
- A325M-13** Specification for Structural Bolts, Steel, Heat Treated 830 MPa Minimum Tensile Strength (Metric), **01.08**
- A326** Withdrawn 1990; Specification for Zinc-Coated (Galvanized) High Tensile Steel Telephone and Telegraph Line Wire
- A327M** Withdrawn 2011; Test Methods for Impact Testing of Cast Irons (Metric); Replaced by A327, **01.02**
- A327/A327M-11** Test Methods for Impact Testing of Cast Irons, **01.02**
- A328/A328M-13a** Specification for Steel Sheet Piling, **01.04**
- A329** Withdrawn 1965; Specification for Heat-Treated Steel Tires; Replaced by A551
- A330** Withdrawn 1954; Methods and Definition for Mechanical Testing of Steel Products; Replaced by A370
- A331** Withdrawn 2004; Specification for Steel Bars, Alloy, Cold-Finished
- A332** Withdrawn 1965; Specification for Nickel-Chromium-Molybdenum Steel Bars for Springs; Replaced by A689
- A333/A333M-13** Specification for Seamless and Welded Steel Pipe for Low-Temperature Service and Other Applications with Required Notch Toughness, **01.01**
- A334/A334M-04a(2010)** Specification for Seamless and Welded Carbon and Alloy-Steel Tubes for Low-Temperature Service, **01.01**
- A335/A335M-11** Specification for Seamless Ferritic Alloy-Steel Pipe for High-Temperature Service, **01.01**
- A336/A336M-10a** Specification for Alloy Steel Forgings for Pressure and High-Temperature Parts, **01.05**
- A337** Withdrawn 1955; Specification for Zinc-Coated Iron or Steel Chain-link Fence Fabric Galvanized before Weaving; Replaced by A392
- A338-84(2009)** Specification for Malleable Iron Flanges, Pipe Fittings, and Valve Parts for Railroad, Marine, and Other Heavy Duty Service at Temperatures Up to 650F (345C), **01.02**
- A339** Withdrawn 1965; Specification for Iron Castings; Replaced by A536
- A340-03a(2011)** Terminology of Symbols and Definitions Relating to Magnetic Testing, **03.04**
- A341/A341M-00(2011)<sup>1</sup>** Test Method for Direct Current Magnetic Properties of Materials Using D-C Permeameters and the Ballistic Test Methods, **03.04**
- A342/A342M-04(2012)** Test Methods for Permeability of Feebly Magnetic Materials, **03.04**
- A343/A343M-03(2008)** Test Method for Alternating-Current Magnetic Properties of Materials at Power Frequencies Using Wattmeter-Ammeter-Voltmeter Method and 25-cm Epstein Test Frame, **03.04**
- A344** Withdrawn 1977; Methods of Electrical and Mechanical Properties of Magnetic Materials; Replaced by A370, A712, A717, A718, A719, A720
- A345-09** Specification for Flat-Rolled Electrical Steels for Magnetic Applications, **03.04**
- A346** Withdrawn 1998; Test Method for Alternating-Current Magnetic Performance of Laminated Core Specimens Using the Dieterly Bridge Method
- A347** Withdrawn 1996; Alternating Current Magnetic Properties of Materials Using the Dieterly Bridge Method with 25-cm Epstein Frame
- A348/A348M-05(2011)** Test Method for Alternating Current Magnetic Properties of Materials Using the Wattmeter-Ammeter-Voltmeter Method, 100 to 10 000 Hz and 25-cm Epstein Frame, **03.04**
- A349** Withdrawn 1984; Test Methods for Alternating-Current Magnetic Properties of Materials Using the Wattmeter-Ammeter-Voltmeter Method, 50 to 60 Hz and 50 cm Epstein Frame
- A350/A350M-13** Specification for Carbon and Low-Alloy Steel Forgings, Requiring Notch Toughness Testing for Piping Components, **01.01**
- A351/A351M-13a** Specification for Castings, Austenitic, for Pressure-Containing Parts, **01.02**
- A352/A352M-06(2012)** Specification for Steel Castings, Ferritic and Martensitic, for Pressure-Containing Parts, Suitable for Low-Temperature Service, **01.02**
- A353/A353M-09** Specification for Pressure Vessel Plates, Alloy Steel, Double-Normalized and Tempered 9 % Nickel, **01.04**
- A354-11** Specification for Quenched and Tempered Alloy Steel Bolts, Studs, and Other Externally Threaded Fasteners, **01.08**
- A355-89(2012)** Specification for Steel Bars, Alloys, for Nitriding, **01.05**
- A356/A356M-11** Specification for Steel Castings, Carbon, Low Alloy, and Stainless Steel, Heavy-Walled for Steam Turbines, **01.02**
- A357** Withdrawn 1973; Specification for Pressure Vessel Plates, Alloy Steel, Five Percent Chromium, 0.5 percent Molybdenum; Replaced by A387
- A358/A358M-12** Specification for Electric-Fusion-Welded Austenitic Chromium-Nickel Stainless Steel Pipe for High-Temperature Service and General Applications, **01.01**
- A359** Withdrawn 1954; Methods and Definitions for Mechanical Testing of Structural Steel; Replaced by A370
- A360** Withdrawn 1993; Method of Testing Chilled and White Iron Castings
- A360M** Withdrawn 1993; Method of Testing Chilled and White Iron Castings [Metric]
- A361/A361M** Withdrawn 1995; Specification for Steel Sheet, Zinc-Coated (Galvanized) by the Hot-Dip Process for Roofing and Siding
- A362** Withdrawn 1977; Specification for Iron-Chromium and Iron-Chromium-Nickel Alloy Tubular Centrifugal Castings for General Applications
- A363-03(2009)<sup>1</sup>** Specification for Zinc-Coated (Galvanized) Steel Overhead Ground Wire Strand, **01.06**
- A364** Withdrawn 1959; Specification for Cold-Finished Heat-Treated Alloy-Steel Bars; Replaced by A434
- A365** Withdrawn 1968; Specification for Cold-Rolled Carbon Steel, Drawing Quality, and Special Killed; Replaced by A619, A620
- A366/A366M** Withdrawn 2000; Specification for Commercial Steel (CS) Sheet, Carbon, (0.15 Maximum Percent) Cold-Rolled; Replaced by A1008/ A1008M
- A367-11** Test Methods of Chill Testing of Cast Iron, **01.02**
- A368-95a(2013)** Specification for Stainless Steel Wire Strand, **01.03**
- A369/A369M-11** Specification for Carbon and Ferritic Alloy Steel Forged and Bored Pipe for High-Temperature Service, **01.01**
- A370-12a** Test Methods and Definitions for Mechanical Testing of Steel Products, **01.01, 01.02, 01.03, 01.04, 01.05**
- A371** Withdrawn 1969; Specification for Corrosion-Resisting Chromium and Chromium-Nickel Steel Welding Rods and Bare Electrodes

- A372/A372M-13** Specification for Carbon and Alloy Steel Forgings for Thin-Walled Pressure Vessels, **01.05**
- A373 *Withdrawn 1966; Specification for Structural Steel for Welding; Combined with A 36*
- A374 *Withdrawn 1971; Specification for High-Strength Low-Alloy Cold-Rolled Steel Sheets and Strip; Replaced by A606, A607*
- A375 *Withdrawn 1971; Specification for High-Strength Low-Alloy Hot-Rolled Steel Sheets and Strip; Replaced by A606, A607*
- A376/A376M-13** Specification for Seamless Austenitic Steel Pipe for High-Temperature Service, **01.01**
- A377-03(2008)<sup>1</sup>** Index of Specifications for Ductile-Iron Pressure Pipe, **01.02**
- A378 *Withdrawn 1955; Specification for Flat-Rolled Electrical Steel; Replaced by A345*
- A379 *Withdrawn 1955; Specification for Flat-Rolled Electrical Steel; Replaced by A345*
- A380/A380M-13** Practice for Cleaning, Descaling, and Passivation of Stainless Steel Parts, Equipment, and Systems, **01.03**
- A381-96(2012)** Specification for Metal-Arc-Welded Steel Pipe for Use With High-Pressure Transmission Systems, **01.01**
- A382 *Withdrawn 1971; Specification for Cold-Drawn Wrought Iron Heat-Exchanger and Condenser Tubes*
- A383 *Withdrawn 1996; Specification for Axles, Railway, Carbon Steel, Untreated for Export and General Industrial Use*
- A384/A384M-07(2013)** Practice for Safeguarding Against Warpage and Distortion During Hot-Dip Galvanizing of Steel Assemblies, **01.06**
- A385/A385M-11** Practice for Providing High-Quality Zinc Coatings (Hot-Dip), **01.06**
- A386 *Withdrawn 1984; Specification for Zinc Coating (Hot-Dip) on Assembled Steel Products; Combined with A 123*
- A387/A387M-11** Specification for Pressure Vessel Plates, Alloy Steel, Chromium-Molybdenum, **01.04**
- A388/A388M-11** Practice for Ultrasonic Examination of Steel Forgings, **01.05**
- A389/A389M-13** Specification for Steel Castings, Alloy, Specially Heat-Treated, for Pressure-Containing Parts, Suitable for High-Temperature Service, **01.02**
- A390-06(2011)** Specification for Zinc-Coated (Galvanized) Steel Poultry Fence Fabric (Hexagonal and Straight Line), **01.06**
- A391/A391M-07(2012)** Specification for Grade 80 Alloy Steel Chain, **01.05**
- A392-11a** Specification for Zinc-Coated Steel Chain-Link Fence Fabric, **01.06**
- A393 *Withdrawn 1974; Recommended Practice for Conducting Acidified Copper Sulfate Test for Intergranular Attack in Austenitic Stainless Steel; Replaced by A262*
- A394-08<sup>1</sup>** Specification for Steel Transmission Tower Bolts, Zinc-Coated and Bare, **01.08**
- A395M *Withdrawn 1988; Replaced by A395/A395M*
- A395/A395M-99(2009)** Specification for Ferritic Ductile Iron Pressure-Retaining Castings for Use at Elevated Temperatures, **01.02**
- A396 *Withdrawn 1965; Specification for High-Strength Ductile Iron Castings; Replaced by A536*
- A397 *Withdrawn 1958; Specification for High Tensile Strength Carbon-Manganeses Steel Plates for Unfired Pressure Vessels*
- A398 *Withdrawn 1969; Specification for Welding Rods and Covered Electrodes for Welding Cast Iron*
- A399 *Withdrawn 1969; Specification for Surfacing Welding Rods and Electrodes*
- A400-69(2012)** Practice for Steel Bars, Selection Guide, Composition, and Mechanical Properties, **01.05**
- A401/A401M-10** Specification for Steel Wire, Cold-Drawn, for Coiled-Type Springs, **01.03**
- A402 *Withdrawn 1958; Specification for Forged or Rolled Alloy Steel Pipe Flanges, Forged Fittings, and Valves and Parts Specially Heat Treated for High-Temperature Service*
- A403/A403M-13a** Specification for Wrought Austenitic Stainless Steel Piping Fittings, **01.01**
- A404 *Withdrawn 1975; Specification for Forged or Rolled Alloy Steel Pipe Flanges, Forged Fittings, and Valves and Parts Specially Heat Treated for High-Temperature Service*
- A405 *Withdrawn 1995; Specification for Seamless Ferritic Alloy-Steel Pipe Specially Heat Treated for High-Temperature Service*
- A406 *Withdrawn 1965; Specification for High-Strength Structural Alloy Rivet Steel*
- A407-07(2013)** Specification for Steel Wire, Cold-Drawn, for Coiled-Type Springs, **01.03**
- A407M *Withdrawn 1989; Specification for Steel Wire, Cold-Drawn, for Coiled-Type Springs [Metric]*
- A408 *Withdrawn 1968; Specification for Special Large Size Deformed Billet-Steel Bars for Concrete Reinforcement; Replaced by A615*
- A409/A409M-13** Specification for Welded Large Diameter Austenitic Steel Pipe for Corrosive or High-Temperature Service, **01.01**
- A410 *Withdrawn 1976; Specification for Pressure Vessel Plates, Alloy Steel, Chromium-Copper-Nickel-Aluminum*
- A411-08(2013)** Specification for Zinc-Coated (Galvanized) Low-Carbon Steel Armor Wire, **01.06**
- A412 *Withdrawn 1989; Specification for Stainless and Heat-Resisting Chromium-Nickel-Manganese Steel Plate, Sheet, and Strip*
- A413/A413M-07(2012)** Specification for Carbon Steel Chain, **01.05**
- A414/A414M-13** Specification for Steel, Sheet, Carbon, and High-Strength, Low-Alloy for Pressure Vessels, **01.03**
- A415 *Withdrawn 1970; Specification for Hot-Rolled Carbon Steel Sheets, Commercial Quality; Replaced by A569*
- A416/A416M-12a** Specification for Steel Strand, Uncoated Seven-Wire for Prestressed Concrete, **01.04**
- A417 *Withdrawn 2008; Specification for Steel Wire, Cold-Drawn, for Zig-Zag, Square-Formed, and Sinuous-Type Upholstery Spring Units*
- A417M *Withdrawn 1989; Specification for Steel Wire, Cold-Drawn, for Zig-Zag Square-Formed, and Sinuous-Type Upholstery Spring Units [Metric]*
- A418/A418M-10** Practice for Ultrasonic Examination of Turbine and Generator Steel Rotor Forgings, **01.05**
- A419 *Withdrawn 1971; Specification for Electric-Fusion (Arc)-Welded Wrought Iron Plate pipe*
- A420/A420M-13** Specification for Piping Fittings of Wrought Carbon Steel and Alloy Steel for Low-Temperature Service, **01.01**
- A421/A421M-10** Specification for Uncoated Stress-Relieved Steel Wire for Prestressed Concrete, **01.04**
- A422 *Withdrawn 1994; Specification for Butt Welds in Still Tubes for Refinery Service*
- A423/A423M-09** Specification for Seamless and Electric-Welded Low-Alloy Steel Tubes, **01.01**
- A424/A424M-09a** Specification for Steel, Sheet, for Porcelain Enameling, **01.03**
- A425 *Withdrawn 1970; Specification for Hot-Rolled Carbon Steel Strip, Commercial Quality; Replaced by A569*
- A426/A426M-13** Specification for Centrifugally Cast Ferritic Alloy Steel Pipe for High-Temperature Service, **01.01, 01.02**
- A427/A427M-10** Specification for Wrought Alloy Steel Rolls for Cold and Hot Reduction, **01.05**
- A428/A428M-10** Test Method for Weight Mass of Coating on Aluminum-Coated Iron or Steel Articles, **01.06**
- A429 *Withdrawn 1976; Specification for Hot- and Cold-Finished Bars of Stainless and Heat-Resisting Chromium-Nickel-Manganese Steel; Replaced by A276*
- A430/A430M *Withdrawn 1995; Specification for Austenitic Steel Forged and Bored Pipe for High-Temperature Service; Replaced by A312/A312M*
- A431 *Withdrawn 1968; Specification for High-Strength Deformed Billet-Steel Bars for Concrete Reinforcement with 75,000 psi Minimum Yield Strength; Replaced by A615*
- A432 *Withdrawn 1968; Specification for Deformed Billet Steel Bars for Concrete Reinforcement with 60,000 psi Minimum Yield Point; Replaced by A615*
- A433 *Withdrawn 1972; Specification for Leaded, Carbon Steel Plates for Pressure Vessels*
- A434-06(2012)** Specification for Steel Bars, Alloy, Hot-Wrought or Cold-Finished, Quenched and Tempered, **01.05**
- A435/A435M-90(2012)** Specification for Straight-Beam Ultrasonic Examination of Steel Plates, **01.04**
- A436-84(2011)** Specification for Austenitic Gray Iron Castings, **01.02**
- A437/A437M-12** Specification for Stainless and Alloy-Steel Turbine-Type Bolting Specially Heat Treated for High-Temperature Service, **01.01**
- A438 *Withdrawn 2003; Test Method for Transverse Testing of Gray Cast Iron*
- A439-83(2009)** Specification for Austenitic Ductile Iron Castings, **01.02**
- A440 *Withdrawn 1979; Specification for High-Strength Structural Steel*
- A441/A441M *Withdrawn 1989; Specification for High-Strength Low-Alloy Structural Manganese Vanadium Steel; Replaced by A572/A572M*
- A442/A442M *Withdrawn 1991; Specification for Pressure Vessel Plates, Carbon Steel, Improved Transition Properties*
- A443 *Withdrawn 1966; Method of Notch Toughness of Turbine and Generator Steel Forgings; Combined with A 370*
- A444/A444M *Withdrawn 1995; Specification for Steel Sheet, Zinc-Coated (Galvanized) by the Hot-Dip Process for Storm Sewer and Drainage Pipe; Replaced by A929/A929M*
- A445 *Withdrawn 1974; Specification for Ferritic Iron Castings for Valves, Flanges, Pipe Fittings, and Other Piping Components; Replaced by A395*
- A447/A447M-11** Specification for Steel Castings, Chromium-Nickel-Iron Alloy (25-12 Class), for High-Temperature Service, **01.02**
- A448 *Withdrawn 1976; Specification for Nickel-Chromium-Iron Alloy Castings (35-15 Class) for High-Temperature Service*
- A449-10** Specification for Hex Cap Screws, Bolts and Studs, Steel, Heat Treated, 120/105/90 ksi Minimum Tensile Strength, General Use, **01.08**
- A450/A450M-10** Specification for General Requirements for Carbon and Low Alloy Steel Tubes, **01.01**
- A451/A451M-06(2010)** Specification for Centrifugally Cast Austenitic Steel Pipe for High-Temperature Service, **01.01, 01.02**
- A452 *Withdrawn 1995; Specification for Centrifugally Cast Austenitic Steel Cold-Wrought Pipe for High-Temperature Service*
- A453/A453M-12** Specification for High-Temperature Bolting, with Expansion Coefficients Comparable to Austenitic Stainless Steels, **01.01**
- A454 *Withdrawn 1980; Specification for Steel Conveyor Chain*
- A455/A455M-12a** Specification for Pressure Vessel Plates, Carbon Steel, High-Strength Manganese, **01.04**
- A456/A456M-08(2013)** Specification for Magnetic Particle Examination of Large Crankshaft, **01.05**
- A457 *Withdrawn 1990; Specification for Hot-Worked, Hot-Cold-Worked, and Cold-Worked Alloy Steel Plate, Sheet, and Strip for High Strength at Elevated Temperatures*
- A458 *Withdrawn 1991; Specification for Hot-Worked, Hot-Cold-Worked, and Cold-Worked Alloy Steel Bars for High Strength at Elevated Temperatures*
- A459-08(2013)** Specification for Zinc-Coated Flat Steel Armoring Tape, **01.06**
- A460-11** Specification for Copper-Clad Steel Wire Strand, **01.06**
- A461 *Withdrawn 1971; Specification for Precipitation Hardening Alloy Bars,*

- Forgings, and Forging Stock for High-Temperature Service; Replaced by A564, A637, A638, A639*
- A462** *Withdrawn 1970; Method for Liquid Penetrant Inspection of Steel Forgings; Replaced by E165*
- A463/A463M-10** Specification for Steel Sheet, Aluminum-Coated, by the Hot-Dip Process, **01.06**
- A464** *Withdrawn 1968; Recommended Practice for Use of Magnetic Type Instruments for Measurement of Thickness of Hot-Dip Zinc Coatings on Iron and Steel; Replaced by A376*
- A465** *Withdrawn 1975; Specification for Leaded Carbon Steel Forged Pipe Flanges and Parts for Pressure and General Service*
- A466/A466M-07(2012)** Specification for Weldless Chain, **01.05**
- A467/A467M-07(2012)** Specification for Machine and Coil Chain, **01.05**
- A468** *Withdrawn 1969; Method of Normal Magnetic Induction Characteristics of Carbon and Alloy Steel Generator Rotor Forgings; Replaced by A6, A341*
- A469/A469M-07(2012)** Specification for Vacuum-Treated Steel Forgings for Generator Rotors, **01.05**
- A470/A470M-05(2010)** Specification for Vacuum-Treated Carbon and Alloy Steel Forgings for Turbine Rotors and Shafts, **01.05**
- A471/A471M-09** Specification for Vacuum-Treated Alloy Steel Forgings for Turbine Rotor Disks and Wheels, **01.05**
- A472/A472M-07(2012)** Specification for Heat Stability of Steam Turbine Shafts and Rotor Forgings, **01.05**
- A473-13** Specification for Stainless Steel Forgings, **01.03, 01.05**
- A474-03(2013)** Specification for Aluminum-Coated Steel Wire Strand, **01.06**
- A475-03(2009)<sup>e1</sup>** Specification for Zinc-Coated Steel Wire Strand, **01.06**
- A476M** *Withdrawn 2000; Replaced by A476/A476M*
- A476/A476M-00(2009)** Specification for Ductile Iron Castings for Paper Mill Dryer Rolls, **01.02**
- A477** *Withdrawn 1991; Specification for Hot-Worked, Hot-Cold Worked and Cold-Worked Alloy Steel Forgings and Forging Billets for High Strength at Elevated Temperatures*
- A478-97(2013)** Specification for Chromium-Nickel Stainless Steel Weaving and Knitting Wire, **01.03**
- A479/A479M-13b** Specification for Stainless Steel Bars and Shapes for Use in Boilers and Other Pressure Vessels, **01.03**
- A480/A480M-13b** Specification for General Requirements for Flat-Rolled Stainless and Heat-Resisting Steel Plate, Sheet, and Strip, **01.03**
- A481-05(2010)** Specification for Chromium Metal, **01.02**
- A482/A482M-11** Specification for Ferrochrome-Silicon, **01.02**
- A483/A483M-10** Specification for Silicomanganese, **01.02**
- A484/A484M-13a** Specification for General Requirements for Stainless Steel Bars, Billets, and Forgings, **01.03**
- A485-09** Specification for High Hardenability Antifriction Bearing Steel, **01.05**
- A486/A486M** *Withdrawn 1989; Specification for Steel Castings for Highway Bridges*
- A487/A487M-93(2012)** Specification for Steel Castings Suitable for Pressure Service, **01.02**
- A488/A488M-12** Practice for Steel Castings, Welding, Qualifications of Procedures and Personnel, **01.02**
- A489-12** Specification for Carbon Steel Lifting Eyes, **01.08**
- A490-12** Specification for Structural Bolts, Alloy Steel, Heat Treated, 150 ksi Minimum Tensile Strength, **01.08**
- A490M-12** Specification for High-Strength Steel Bolts, Classes 10.9 and 10.9.3, for Structural Steel Joints (Metric), **01.08**
- A491-11** Specification for Aluminum-Coated Steel Chain-Link Fence Fabric, **01.06**
- A492-95(2013)** Specification for Stainless Steel Rope Wire, **01.03**
- A493-09(2013)** Specification for Stainless Steel Wire and Wire Rods for Cold Heading and Cold Forging, **01.03**
- A494/A494M-13** Specification for Castings, Nickel and Nickel Alloy, **01.02**
- A495-06(2010)** Specification for Calcium-Silicon Alloys, **01.02**
- A496/A496M** *Withdrawn 2013; Specification for Steel Wire, Deformed, for Concrete Reinforcement; Replaced by A1064*
- A497/A497M** *Withdrawn 2013; Specification for Steel Welded Wire Reinforcement, Deformed, for Concrete; Replaced by A1064*
- A498-06** Specification for Seamless and Welded Carbon Steel Heat-Exchanger Tubes with Integral Fins, **01.01**
- A499-89(2008)** Specification for Steel Bars and Shapes, Carbon Rolled from "T" Rails, **01.05**
- A500/A500M-13** Specification for Cold-Formed Welded and Seamless Carbon Steel Structural Tubing in Rounds and Shapes, **01.01**
- A501-07** Specification for Hot-Formed Welded and Seamless Carbon Steel Structural Tubing, **01.01**
- A502-03(2009)** Specification for Rivets, Steel, Structural, **01.08**
- A503/A503M-01(2011)** Specification for Ultrasonic Examination of Forged Crankshafts, **01.05**
- A504/A504M-08(2013)** Specification for Wrought Carbon Steel Wheels, **01.05**
- A505-12** Specification for Steel, Sheet and Strip, Alloy, Hot-Rolled and Cold-Rolled, General Requirements for, **01.03**
- A506-12** Specification for Alloy and Structural Alloy Steel, Sheet and Strip, Hot-Rolled and Cold-Rolled, **01.03**
- A507-12** Specification for Drawing Alloy Steel, Sheet and Strip, Hot-Rolled and Cold-Rolled, **01.03**
- A508/A508M-05b(2010)** Specification for Quenched and Tempered Vacuum-Treated Carbon and Alloy Steel Forgings for Pressure Vessels, **01.05**
- A509** *Withdrawn 1983; Definition of Terms Relating to Steel Forgings; Replaced by A788*
- A510M** *Withdrawn 2012; Specification for General Requirements for Wire Rods and Coarse Round Wire, Carbon Steel (Metric); Replaced by A510*
- A510/A510M-13** Specification for General Requirements for Wire Rods and Coarse Round Wire, Carbon Steel, and Alloy Steel, **01.03**
- A511/A511M-12** Specification for Seamless Stainless Steel Mechanical Tubing, **01.01**
- A512-06(2012)** Specification for Cold-Drawn Buttweld Carbon Steel Mechanical Tubing, **01.01**
- A513/A513M-12** Specification for Electric-Resistance-Welded Carbon and Alloy Steel Mechanical Tubing, **01.01**
- A514/A514M-13** Specification for High-Yield-Strength, Quenched and Tempered Alloy Steel Plate, Suitable for Welding, **01.04**
- A515/A515M-10** Specification for Pressure Vessel Plates, Carbon Steel, for Intermediate- and Higher-Temperature Service, **01.04**
- A516/A516M-10** Specification for Pressure Vessel Plates, Carbon Steel, for Moderate- and Lower-Temperature Service, **01.04**
- A517/A517M-10** Specification for Pressure Vessel Plates, Alloy Steel, High-Strength, Quenched and Tempered, **01.04**
- A518M** *Withdrawn 1999; Replaced by A518/A518M*
- A518/A518M-99(2012)** Specification for Corrosion-Resistant High-Silicon Iron Castings, **01.02**
- A519-06(2012)** Specification for Seamless Carbon and Alloy Steel Mechanical Tubing, **01.01**
- A520** *Withdrawn 2000; Specification for Supplementary Requirements for Seamless and Electric-Resistance-Welded Carbon Steel Tubular Products for High-Temperature Service Conforming to ISO Recommendations for Boiler Construction*
- A521/A521M-06(2011)** Specification for Steel, Closed-Impression Die Forgings for General Industrial Use, **01.05**
- A522/A522M-13** Specification for Forged or Rolled 8 and 9% Nickel Alloy Steel Flanges, Fittings, Valves, and Parts for Low-Temperature Service, **01.01**
- A523-96(2012)** Specification for Plain End Seamless and Electric-Resistance-Welded Steel Pipe for High-Pressure Pipe-Type Cable Circuits, **01.01**
- A524-96(2012)** Specification for Seamless Carbon Steel Pipe for Atmospheric and Lower Temperatures, **01.01**
- A525** *Withdrawn 1994; Specification for General Requirements for Steel Sheet, Zinc-Coated (Galvanized) by the Hot-Dip Process; Replaced by A653/A653M, A924/A924M*
- A525M** *Withdrawn 1994; Specification for General Requirements for Steel Sheet, Zinc-Coated (Galvanized) by the Hot-Dip Process; Replaced by A653/A653M, A924/A924M*
- A526/A526M** *Withdrawn 1994; Specification for Steel Sheet, Zinc-Coated (Galvanized) by the Hot-Dip Process, Commercial Quality; Replaced by A653/A653M, A924/A924M*
- A527/A527M** *Withdrawn 1994; Specification for Steel Sheet, Zinc-Coated (Galvanized) by the Hot-Dip Process, Lock-Forming Quality; Replaced by A653/A653M, A924/A924M*
- A528/A528M** *Withdrawn 1994; Specification for Steel Sheet, Zinc-Coated (Galvanized) by the Hot-Dip Process, Drawing Quality; Replaced by A653/A653M, A924/A924M*
- A529/A529M-05(2009)** Specification for High-Strength Carbon-Manganese Steel of Structural Quality, **01.04**
- A530/A530M-12** Specification for General Requirements for Specialized Carbon and Alloy Steel Pipe, **01.01**
- A531/A531M-13** Practice for Ultrasonic Examination of Turbine-Generator Steel Retaining Rings, **01.05**
- A532/A532M-10** Specification for Abrasion-Resistant Cast Irons, **01.02**
- A533/A533M-09<sup>e1</sup>** Specification for Pressure Vessel Plates, Alloy Steel, Quenched and Tempered, Manganese-Molybdenum and Manganese-Molybdenum-Nickel, **01.04**
- A534-09** Specification for Carburizing Steels for Anti-Friction Bearings, **01.05**
- A535** *Withdrawn 1998; Specification for Special-Quality Ball and Roller Bearing Steel*
- A536-84(2009)** Specification for Ductile Iron Castings, **01.02**
- A537/A537M-13** Specification for Pressure Vessel Plates, Heat-Treated, Carbon-Manganese-Silicon Steel, **01.04**
- A538/A538M** *Withdrawn 1989; Specification for Pressure Vessel Plates, Alloy Steel, Precipitation Hardening (Maraging), 18 Percent Nickel*
- A539** *Withdrawn 2004; Specification for Electric-Resistance-Welded Coiled Steel Tubing for Gas and Fuel Oil Lines*
- A540/A540M-11** Specification for Alloy-Steel Bolting for Special Applications, **01.01**
- A541/A541M-05(2010)** Specification for Quenched and Tempered Carbon and Alloy Steel Forgings for Pressure Vessel Components, **01.05**
- A542/A542M-13** Specification for Pressure Vessel Plates, Alloy Steel, Quenched-and-Tempered, Chromium-Molybdenum, and Chromium-Molybdenum-Vanadium, **01.04**
- A543/A543M-09** Specification for Pressure Vessel Plates, Alloy Steel, Quenched and Tempered Nickel-Chromium-Molybdenum, **01.04**
- A544** *Withdrawn 1991; Specification for Steel Wire, Carbon, Scrapless Nut Quality*
- A545** *Withdrawn 1991; Specification for Steel Wire, Carbon, Cold-Heading Quality, for Machine Screws*
- A546** *Withdrawn 1991; Specification for Steel Wire, Medium-High-Carbon, Cold-Heading Quality, for Hexagon-Head Bolts*
- A547** *Withdrawn 1991; Specification for Steel Wire, Alloy, Cold-Heading Quality, for Hexagon-Head Bolts*
- A548** *Withdrawn 1991; Specification for Steel Wire, Carbon, Cold-Heading Quality, for Tapping or Sheet Metal Screws*

A549 *Withdrawn 1991; Specification for Steel Wire, Carbon, Cold-Heading Quality, for Wood Screws*

**A550-06(2010)** Specification for Ferrocolumbium, **01.02**

**A551/A551M-08(2013)** Specification for Carbon Steel Tires for Railway and Rapid Transit Applications, **01.05**

A552 *Withdrawn 1974; Specification for Alloy Steel Bars for Springs; Replaced by A689*

**A553/A553M-10** Specification for Pressure Vessel Plates, Alloy Steel, Quenched and Tempered 8 and 9 % Nickel, **01.04**

**A554-13** Specification for Welded Stainless Steel Mechanical Tubing, **01.01**

**A555/A555M-05(2009)** Specification for General Requirements for Stainless Steel Wire and Wire Rods, **01.03**

**A556/A556M-96(2012)** Specification for Seamless Cold-Drawn Carbon Steel Feedwater Heater Tubes, **01.01**

A557/A557M *Withdrawn 1995; Specification for Electric-Resistance-Welded Carbon Steel Feedwater Heater Tubes; Replaced by A178*

A558 *Withdrawn 1969; Specification for Bare Mild Steel Electrodes and Fluxes for Submerged Arc Welding*

A559 *Withdrawn 1969; Specification for Mild Steel Electrodes for Gas Metal-Arc Welding*

**A560/A560M-12** Specification for Castings, Chromium-Nickel Alloy, **01.02**

**A561-08** Practice for Macroetch Testing of Tool Steel Bars, **01.05**

**A562/A562M-10** Specification for Pressure Vessel Plates, Carbon Steel, Manganese-Titanium for Glass or Diffused Metallic Coatings, **01.04**

**A563-07a** Specification for Carbon and Alloy Steel Nuts, **01.08**

**A563M-07** Specification for Carbon and Alloy Steel Nuts (Metric), **01.08**

**A564/A564M-13** Specification for Hot-Rolled and Cold-Finished Age-Hardening Stainless Steel Bars and Shapes, **01.03**

**A565/A565M-10** Specification for Martensitic Stainless Steel Bars for High-Temperature Service, **01.03**

A566 *Withdrawn 1984; Test Method for Alternating-Current Magnetic Properties of Materials Using the Alternating Current Potentiometer and 25-cm Epstein frame*

A567/A567M *Withdrawn 1987; Specification for Castings, Iron, Cobalt, and Nickel-Base Alloy, for High Strength at Elevated Temperatures*

A568M *Withdrawn 1991; Replaced by A568/A568M*

**A568/A568M-13a<sup>1</sup>** Specification for Steel, Sheet, Carbon, Structural, and High-Strength, Low-Alloy, Hot-Rolled and Cold-Rolled, General Requirements for, **01.03**

A569/A569M *Withdrawn 2000; Specification for Steel, Carbon (0.15 Maximum, Percent), Hot-Rolled Sheet and Strip Commercial; Replaced by A1011/A1011M*

A570/A570M *Withdrawn 2000; Specification for Structural Steel, Sheet and Strip, Carbon, Hot-Rolled; Replaced by A1011/A1011M*

A571M *Withdrawn 2001; Replaced by A571/A571M*

**A571/A571M-01(2011)** Specification for Austenitic Ductile Iron Castings for Pressure-Containing Parts Suitable for Low-Temperature Service, **01.02**

**A572/A572M-13a** Specification for High-Strength Low-Alloy Columbium-Vanadium Structural Steel, **01.04**

**A573/A573M-13** Specification for Structural Carbon Steel Plates of Improved Toughness, **01.04**

**A574-13** Specification for Alloy Steel Socket-Head Cap Screws, **01.08**

**A574M-12** Specification for Alloy Steel Socket-Head Cap Screws (Metric), **01.08**

**A575-96(2013)<sup>1</sup>** Specification for Steel Bars, Carbon, Merchant Quality, M-Grades, **01.05**

**A576-90b(2012)** Specification for Steel Bars, Carbon, Hot-Wrought, Special Quality, **01.05**

**A577/A577M-90(2012)** Specification for Ultrasonic Angle-Beam Examination of Steel Plates, **01.04**

**A578/A578M-07(2012)** Specification for Straight-Beam Ultrasonic Examination of Rolled Steel Plates for Special Applications, **01.04**

**A579/A579M-04a(2009)** Specification for Superstrength Alloy Steel Forgings, **01.05**

**A580/A580M-13b** Specification for Stainless Steel Wire, **01.03**

**A581/A581M-95b(2009)** Specification for Free-Machining Stainless Steel Wire and Wire Rods, **01.03**

**A582/A582M-12<sup>1</sup>** Specification for Free-Machining Stainless Steel Bars, **01.03**

A583 *Withdrawn 2004; Specification for Cast Steel Wheels for Railway Service*

A584 *Withdrawn 2002; Specification for Aluminum-Coated Steel Woven Wire Fence Fabric; Replaced by A116*

A585 *Withdrawn 2002; Specification for Aluminum-Coated Steel Barbed Wire; Replaced by A121*

**A586-04a(2009)<sup>1</sup>** Specification for Zinc-Coated Parallel and Helical Steel Wire Structural Strand, **01.06**

**A587-96(2012)** Specification for Electric-Resistance-Welded Low-Carbon Steel Pipe for the Chemical Industry, **01.01**

**A588/A588M-10** Specification for High-Strength Low-Alloy Structural Steel, up to 50 ksi 345 MPa Minimum Yield Point, with Atmospheric Corrosion Resistance, **01.04**

**A589/A589M-06(2012)** Specification for Seamless and Welded Carbon Steel Water-Well Pipe, **01.01**

A590 *Withdrawn 1984; Specification for Pressure Vessel Plates, Alloy Steel, Precipitation Hardening (Maraging) 12 Percent Nickel*

A591/A591M *Withdrawn 2005; Specification for Steel Sheet, Electrolytic Zinc-Coated, for Light Coating Weight Applications; Replaced by A879/A879M*

**A592/A592M-10** Specification for High-Strength Quenched and Tempered

Low-Alloy Steel Forged Parts for Pressure Vessels, **01.05**

A593 *Withdrawn 1976; Specification for Charpy V-Notch Testing Requirements for Steel Plates for Pressure Vessel*

A594 *Withdrawn 1986; Specification for Carbon Steel Forgings with Special Magnetic Characteristics*

**A595/A595M-11** Specification for Steel Tubes, Low-Carbon or High-Strength Low-Alloy, Tapered for Structural Use, **01.01**

**A596/A596M-95(2009)<sup>1</sup>** Test Method for Direct-Current Magnetic Properties of Materials Using the Ballistic Method and Ring Specimens, **03.04**

**A597-87(2010)** Specification for Cast Tool Steel, **01.05**

**A598/A598M-02(2007)** Test Method for Magnetic Properties of Magnetic Amplifier Cores, **03.04**

**A599/A599M-07(2012)** Specification for Tin Mill Products, Electrolytic Tin-Coated, Cold-Rolled Sheet, **01.06**

**A600-92a(2010)** Specification for Tool Steel High Speed, **01.05**

**A601/A601M-10** Specification for Electrolytic Manganese Metal, **01.02**

**A602-94(2009)** Specification for Automotive Malleable Iron Castings, **01.02**

**A603-98(2009)<sup>1</sup>** Specification for Zinc-Coated Steel Structural Wire Rope, **01.06**

**A604/A604M-07(2012)** Practice for Macroetch Testing of Consumable Electrode Remelted Steel Bars and Billets, **01.05**

A605/A605M *Withdrawn 1989; Specification for Pressure Vessel Plates, Alloy Steel, Quenched-and-Tempered Nickel-Cobalt-Molybdenum-Chromium*

**A606/A606M-09a** Specification for Steel, Sheet and Strip, High-Strength, Low-Alloy, Hot-Rolled and Cold-Rolled, with Improved Atmospheric Corrosion Resistance, **01.03**

A607 *Withdrawn 2000; Specification for Steel, Sheet and Strip, High-Strength, Low-Alloy, Columbium or Vanadium, or Both, Hot-Rolled and Cold-Rolled; Replaced by A1008/A1008M, A1011/A1011M*

**A608/A608M-12** Specification for Centrifugally Cast Iron-Chromium-Nickel High-Alloy Tubing for Pressure Application at High Temperatures, **01.02**

**A609/A609M-12** Practice for Castings, Carbon, Low-Alloy, and Martensitic Stainless Steel, Ultrasonic Examination Thereof, **01.02**

**A610-79(2009)** Test Methods for Sampling and Testing Ferrous Alloys for Determination of Size, **01.02**

A611 *Withdrawn 2000; Specification for Structural Steel (SS), Sheet, Carbon, Cold-Rolled; Replaced by A1008/A1008M*

**A612/A612M-12** Specification for Pressure Vessel Plates, Carbon Steel, High Strength, for Moderate and Lower Temperature Service, **01.04**

A613 *Withdrawn 1984; Specification for Special Requirements for Steel Castings for Nuclear and Other Special Applications*

A614 *Withdrawn 1987; Specification for Special Requirements for Bolting Material for Nuclear and Other Special Applications*

**A615/A615M-13** Specification for Deformed and Plain Carbon-Steel Bars for Concrete Reinforcement, **01.04**

**A618/A618M-04(2010)** Specification for Hot-Formed Welded and Seamless High-Strength Low-Alloy Structural Tubing, **01.01**

A619/A619M *Withdrawn 1997; Specification for Non-Killed Forming Steel (NKFS) Sheet, Carbon, Cold-Rolled*

A620/A620M *Withdrawn 2000; Specification for Drawing Steel (DS) Sheet, Carbon, Cold-Rolled; Replaced by A1008/A1008M*

A621/A621M *Withdrawn 1997; Specification for Forming Steel (FS) Sheet and Strip, Carbon, Hot-Rolled*

A622/A622M *Withdrawn 2000; Specification for Drawing Steel (DS), Sheet and Strip, Carbon, Hot-Rolled; Replaced by A1011/A1011M*

**A623-11** Specification for Tin Mill Products, General Requirements, **01.06**

**A623M-11** Specification for Tin Mill Products, General Requirements Metric, **01.06**

A624M *Withdrawn 1995; Replaced by A624/A624M*

**A624/A624M-13** Specification for Tin Mill Products, Electrolytic Tin Plate, Single Reduced, **01.06**

A625M *Withdrawn 1992; Replaced by A625/A625M*

**A625/A625M-13** Specification for Tin Mill Products, Black Plate, Single-Reduced, **01.06**

A626M *Withdrawn 1995; Replaced by A626/A626M*

**A626/A626M-13** Specification for Tin Mill Products, Electrolytic Tin Plate, Double Reduced, **01.06**

**A627-03(2011)** Test Methods for Tool-Resisting Steel Bars, Flats, and Shapes for Detention and Correctional Facilities, **15.08**

A628 *Withdrawn 1982; Specification for Tool-Resisting Composite Steel Plates for Security Applications*

A629 *Withdrawn 2004; Specification for Tool-Resisting Steel Flat Bars and Shapes for Security Applications; Replaced by A627*

**A630-03(2009)** Test Methods for Determination of Tin Coating Weights for Electrolytic Tin Plate, **01.06**

A631 *Withdrawn 1993; Specification for Cast Steel Wheels for Electrical Railway Service; Replaced by A583*

**A632-04(2009)** Specification for Seamless and Welded Austenitic Stainless Steel Tubing (Small-Diameter) for General Service, **01.01**

**A633/A633M-13** Specification for Normalized High-Strength Low-Alloy Structural Steel Plates, **01.04**

A634 *Withdrawn 1978; Specification for Steel Sheet and Strip, Alloy, Hot-Rolled and Cold-Rolled, Aircraft Quality*

A635M *Withdrawn 1990; Replaced by A635/A635M*

**A635/A635M-13** Specification for Steel, Sheet and Strip, Heavy-Thickness Coils, Hot-Rolled, Alloy, Carbon, Structural, High-Strength Low-Alloy, and High-Strength Low-Alloy with Improved Formability, General Requirements for, **01.03**

**A636-08(2013)** Specification for Nickel Oxide Sinter, **01.02**

A637 *Redesignated 1981 - B637; Specification for Precipitation Hardening*

*Nickel Alloy Bars, Forgings, and Forging Stock for High-Temperature Service*

- A638/A638M-10** Specification for Precipitation Hardening Iron Base Superalloy Bars, Forgings, and Forging Stock for High-Temperature Service, **01.03**  
*A639 Redesignated 1980 - B639; Specification for Precipitation Hardening Cobalt Containing Alloy Bars, Forgings and Forging Stock for High-Temperature Service*
- A640-97(2009)<sup>1</sup>** Specification for Zinc-Coated Steel Strand for Messenger Support of Figure 8 Cable, **01.06**  
*A641M Withdrawn 1997; Replaced by A641/A641M*
- A641/A641M-09a** Specification for Zinc-Coated (Galvanized) Carbon Steel Wire, **01.06**  
*A642/A642M Withdrawn 1994; Specification for Steel Sheet, Zinc-Coated (Galvanized) by the Hot-Dip Process, Drawing Quality, Special Killed; Replaced by A653/A653M, A924/A924M*
- A643 Withdrawn 1982; Specification for Steel, Castings, Heavy-Walled, Carbon and Alloy for Pressure Vessels*
- A644-13** Terminology Relating to Iron Castings, **01.02**
- A645/A645M-10** Specification for Pressure Vessel Plates, 5 % and 5 1/2 % Nickel Alloy Steels, Specially Heat Treated, **01.04**
- A646/A646M-06(2011)** Specification for Premium Quality Alloy Steel Blooms and Billets for Aircraft and Aerospace Forgings, **01.05**  
*A647 Withdrawn 1982; Specification for Special Requirements for Steel Plates for Nuclear and Other Special Applications*
- A648-12** Specification for Steel Wire, Hard-Drawn for Prestressed Concrete Pipe, **01.04**
- A649/A649M-10** Specification for Forged Steel Rolls Used for Corrugating Paper Machinery, **01.05**
- A650/A650M-13** Specification for Tin Mill Products, Black Plate, Double Reduced, **01.06**  
*A651 Withdrawn 1987; Specification for Stainless Steel, Water-DWV Tube*  
*A652 Withdrawn 1984; Specification for Special Requirements for Steel Plates for Wrought Steel Welding Fittings for Nuclear and Other Special Applications*
- A653/A653M-11** Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process, **01.06**  
*A654 Withdrawn 1984; Specification for Special Requirements for Steel Forgings and Bars for Nuclear and Other Special Applications*  
*A655 Withdrawn 1984; Specification for Special Requirements for Pipe and Tubing for Nuclear and Other Special Applications*
- A656/A656M-13** Specification for Hot-Rolled Structural Steel, High-Strength Low-Alloy Plate with Improved Formability, **01.04**
- A657/A657M-13** Specification for Tin Mill Products, Black Plate Electrolytic Chromium-Coated, Single and Double Reduced, **01.06**  
*A658/A658M Withdrawn 1989; Specification for Pressure Vessel Plates, Alloy Steel, 36 Percent Nickel*
- A659/A659M-12** Specification for Commercial Steel (CS), Sheet and Strip, Carbon (0.16 Maximum to 0.25 Maximum Percent), Hot-Rolled, **01.03**
- A660/A660M-11** Specification for Centrifugally Cast Carbon Steel Pipe for High-Temperature Service, **01.02**  
*A661 Not Assigned*
- A662/A662M-12** Specification for Pressure Vessel Plates, Carbon-Manganese-Silicon Steel, for Moderate and Lower Temperature Service, **01.04**
- A663/A663M-12** Specification for Steel Bars, Carbon, Merchant Quality, Mechanical Properties, **01.05**
- A664-11** Practice for Identification of Standard Electrical Steel Grades in ASTM Specifications, **03.04**  
*A665 Withdrawn 1988; Specification for Flat-Rolled, Grain-Oriented, Silicon-Iron, Electrical Steel, Fully Processed, Types 23g048, 27g053, 30g058, and 35g066 [Metric]; Replaced by A876/A876M*  
*A665M Withdrawn 1988; Specification for Flat-Rolled, Grain-Oriented, Silicon-Iron, Electrical Steel, Fully Processed, Types 23g048, 27g053, 30g058, and 35g066 [Metric]; Replaced by A876/A876M*
- A666-10** Specification for Annealed or Cold-Worked Austenitic Stainless Steel Sheet, Strip, Plate, and Flat Bar, **01.03**
- A667/A667M-87(2012)** Specification for Centrifugally Cast Dual Metal (Gray and White Cast Iron) Cylinders, **01.02**
- A668/A668M-13<sup>1</sup>** Specification for Steel Forgings, Carbon and Alloy, for General Industrial Use, **01.05**  
*A669 Withdrawn 1984; Specification for Seamless Ferritic-Austenitic Alloy Steel Tubes; Replaced by A789*  
*A670 Redesignated 1979 - B670; Specification for Precipitation Hardening Nickel Alloy (UNS N07718) Plate, Sheet, and Strip for High-Temperature Service*
- A671/A671M-13** Specification for Electric-Fusion-Welded Steel Pipe for Atmospheric and Lower Temperatures, **01.01**
- A672/A672M-09** Specification for Electric-Fusion-Welded Steel Pipe for High-Pressure Service at Moderate Temperatures, **01.01**
- A673/A673M-07(2012)** Specification for Sampling Procedure for Impact Testing of Structural Steel, **01.04**
- A674-10** Practice for Polyethylene Encasement for Ductile Iron Pipe for Water or Other Liquids, **01.02**
- A675/A675M-03(2009)** Specification for Steel Bars, Carbon, Hot-Wrought, Special Quality, Mechanical Properties, **01.05**  
*A676 Withdrawn 1990; Specification for Hot-Dipped Aluminum Coatings on Ferrous Articles*
- A677-12** Specification for Nonoriented Electrical Steel Fully Processed Types, **03.04**  
*A677M Withdrawn 2000; Replaced by A677/A677M*  
*A678/A678M Withdrawn 2010; Specification for Quenched-and-Tempered Carbon and High-Strength Low-Alloy Structural Steel Plates*
- A679/A679M-06(2012)** Specification for Steel Wire, High Tensile Strength, Cold Drawn, **01.03**  
*A680/A680M Withdrawn 1986; Specification for Steel, Strip, High-Carbon, Cold-Rolled Hard, Untempered Quality; Replaced by A684/A684M*
- A681-08** Specification for Tool Steels Alloy, **01.05**  
*A682/A682M Withdrawn 2009; Specification for Steel, Strip, High-Carbon, Cold-Rolled, General Requirements For*
- A683-05(2010)** Specification for Nonoriented Electrical Steel, Semiprocessed Types, **03.04**  
*A683M Withdrawn 1999; Replaced by A683/A683M*  
*A685 Withdrawn 1986; Specification for Machined Flat and Square Tool Steel Bars; Replaced by A681*
- A686-92(2010)** Specification for Tool Steel, Carbon, **01.05**  
*A687 Withdrawn 1999; Specification for High-Strength Nonheaded Steel Bolts and Studs*
- A688/A688M-12** Specification for Seamless and Welded Austenitic Stainless Steel Feedwater Heater Tubes, **01.01**
- A689-97(2013)<sup>1</sup>** Specification for Carbon and Alloy Steel Bars for Springs, **01.05**
- A690/A690M-13a** Specification for High-Strength Low-Alloy Nickel, Copper, Phosphorus Steel H-Piles and Sheet Piling with Atmospheric Corrosion Resistance for Use in Marine Environments, **01.04**
- A691/A691M-09** Specification for Carbon and Alloy Steel Pipe, Electric-Fusion-Welded for High-Pressure Service at High Temperatures, **01.01**  
*A692 Withdrawn 1995; Specification for Seamless Medium-Strength Carbon-Molybdenum Alloy-Steel Boiler and Superheater Tubes; Replaced by A209*
- A693-13** Specification for Precipitation-Hardening Stainless and Heat-Resisting Steel Plate, Sheet, and Strip, **01.03**
- A694/A694M-13** Specification for Carbon and Alloy Steel Forgings for Pipe Flanges, Fittings, Valves, and Parts for High-Pressure Transmission Service, **01.01**  
*A695 Withdrawn 2002; Specification for Steel Bars, Carbon, Hot-Wrought, Special Quality, for Fluid Power Applications*
- A696-90a(2012)** Specification for Steel Bars, Carbon, Hot-Wrought or Cold-Finished, Special Quality, for Pressure Piping Components, **01.05**
- A697/A697M-13** Test Method for Alternating Current Magnetic Properties of Laminated Core Specimen Using Voltmeter-Ammeter-Wattmeter Methods, **03.04**
- A698/A698M-07** Test Method for Magnetic Shield Efficiency in Attenuating Alternating Magnetic Fields, **03.04**  
*A699 Withdrawn 1986; Specification for Low-Carbon Manganese-Molybdenum-Columbium Alloy Steel Plates*  
*A700 Withdrawn 2014; Practices for Packaging, Marking, and Loading Methods for Steel Products for Shipment*
- A701/A701M-10** Specification for Ferromanganese-Silicon, **01.02**
- A702-13** Specification for Steel Fence Posts, Hot Wrought, **01.05**
- A703/A703M-13a** Specification for Steel Castings, General Requirements, for Pressure-Containing Parts, **01.02**
- A704/A704M-06(2011)** Specification for Welded Steel Plain Bar or Rod Mats for Concrete Reinforcement, **01.04**
- A705/A705M-13** Specification for Age-Hardening Stainless Steel Forgings, **01.03**
- A706/A706M-13** Specification for Low-Alloy Steel Deformed and Plain Bars for Concrete Reinforcement, **01.04**
- A707/A707M-13** Specification for Forged Carbon and Alloy Steel Flanges for Low-Temperature Service, **01.01**  
*A708 Withdrawn 1989; Recommended Practice for Detection of Susceptibility to Intergranular Corrosion in Severely Sensitized Austenitic Stainless Steel*
- A709/A709M-13a** Specification for Structural Steel for Bridges, **01.04**
- A710/A710M-02(2013)** Specification for Precipitation-Strengthened Low-Carbon Nickel-Copper-Chromium-Molybdenum-Columbium Alloy Structural Steel Plates, **01.04**
- A711/A711M-07(2012)** Specification for Steel Forging Stock, **01.05**
- A712-07(2013)** Test Method for Electrical Resistivity of Soft Magnetic Alloys, **03.04**
- A713-04(2010)** Specification for Steel Wire, High-Carbon Spring, for Heat-Treated Components, **01.03**
- A714-99(2009)<sup>1</sup>** Specification for High-Strength Low-Alloy Welded and Seamless Steel Pipe, **01.01**  
*A715 Withdrawn 2000; Specification for Steel Sheet and Strip, High-Strength, Low-Alloy, Hot-Rolled, and Steel Sheet, Cold-Rolled, High-Strength, Low-Alloy, with Improved Formability; Replaced by A1008/A1008M, A1011/A1011M*
- A716-08** Specification for Ductile Iron Culvert Pipe, **01.02**
- A717/A717M-12** Test Method for Surface Insulation Resistivity of Single-Strip Specimens, **03.04**  
*A718 Withdrawn 1996; Test Method for Surface Insulation Resistivity of Multi-Strip Specimens*
- A719/A719M-02(2007)** Test Method for Lamination Factor of Magnetic Materials, **03.04**
- A720/A720M-02(2011)** Test Method for Ductility of Nonoriented Electrical Steel, **03.04**
- A721/A721M-02(2011)** Test Method for Ductility of Oriented Electrical Steel, **03.04**
- A722/A722M-12** Specification for Uncoated High-Strength Steel Bars for Prestressing Concrete, **01.04**
- A723/A723M-10** Specification for Alloy Steel Forgings for High-Strength Pressure Component Application, **01.05**

- A724/A724M-09(2013)** Specification for Pressure Vessel Plates, Carbon-Manganese-Silicon Steel, Quenched and Tempered, for Welded Pressure Vessels, **01.04**
- A725** *Withdrawn 1988; Specification for Flat-Rolled, Grain-Oriented, Silicon Iron, Electrical Steel, Fully Processed, Types 27h076, 30h083, 35h094; Replaced by A876M*
- A725M** *Withdrawn 1988; Specification for Flat-Rolled, Grain-Oriented, Silicon Iron, Electrical Steel, Fully Processed, Types 27h076, 30h083, 35h094 [Metric]; Replaced by A876M*
- A726-05(2010)** Specification for Cold-Rolled Magnetic Lamination Quality Steel, Semiprocessed Types, **03.04**
- A726M** *Withdrawn 1998; Specification for Cold-Rolled Magnetic Lamination Quality Steel, Semiprocessed Types [Metric]*
- A727/A727M-13** Specification for Carbon Steel Forgings for Piping Components with Inherent Notch Toughness, **01.01**
- A728** *Not Assigned*
- A729/A729M-09<sup>1</sup>** Specification for Alloy Steel Axles, Heat-Treated, for Mass Transit and Electric Railway Service, **01.05**
- A730** *Withdrawn 2004; Specification for Forgings, Carbon and Alloy Steel, for Railway Use; Replaced by A668*
- A731/A731M** *Withdrawn 1995; Specification for Seamless, Welded Ferritic, and Martensitic Stainless Steel Pipe; Replaced by A268*
- A732/A732M-09** Specification for Castings, Investment, Carbon and Low Alloy Steel for General Application, and Cobalt Alloy for High Strength at Elevated Temperatures, **01.02**
- A733-13** Specification for Welded and Seamless Carbon Steel and Austenitic Stainless Steel Pipe Nipples, **01.01**
- A734/A734M-12** Specification for Pressure Vessel Plates, Alloy Steel and High-Strength Low-Alloy Steel, Quenched-and-Tempered, **01.04**
- A735/A735M-12** Specification for Pressure Vessel Plates, Low-Carbon Manganese-Molybdenum-Columbium Alloy Steel, for Moderate and Lower Temperature Service, **01.04**
- A736/A736M-12** Specification for Pressure Vessel Plates, Low-Carbon Age-Hardening Nickel-Copper-Chromium-Molybdenum-Columbium Alloy Steel, **01.04**
- A737/A737M-09(2013)** Specification for Pressure Vessel Plates, High-Strength, Low-Alloy Steel, **01.04**
- A738/A738M-12a** Specification for Pressure Vessel Plates, Heat-Treated, Carbon-Manganese-Silicon Steel, for Moderate and Lower Temperature Service, **01.04**
- A739-90a(2012)** Specification for Steel Bars, Alloy, Hot-Wrought, for Elevated Temperature or Pressure-Containing Parts, or Both, **01.05**
- A740-98(2008)** Specification for Hardware Cloth (Woven or Welded Galvanized Steel Wire Fabric), **01.06**
- A741-11<sup>1</sup>** Specification for Metallic-Coated Steel Wire Rope and Fittings for Highway Guardrail, **01.06**
- A742/A742M-13** Specification for Steel Sheet, Metallic Coated and Polymer Precoated for Corrugated Steel Pipe, **01.06**
- A743/A743M-13a** Specification for Castings, Iron-Chromium, Iron-Chromium-Nickel, Corrosion Resistant, for General Application, **01.02**
- A744/A744M-13** Specification for Castings, Iron-Chromium-Nickel, Corrosion Resistant, for Severe Service, **01.02**
- A745/A745M-12** Practice for Ultrasonic Examination of Austenitic Steel Forgings, **01.05**
- A746-09** Specification for Ductile Iron Gravity Sewer Pipe, **01.02**
- A747/A747M-12** Specification for Steel Castings, Stainless, Precipitation Hardening, **01.02**
- A748/A748M-87(2012)** Specification for Statically Cast Chilled White Iron-Gray Iron Dual Metal Rolls for Pressure Vessel Use, **01.02**
- A749M** *Withdrawn 1991; Replaced by A749/A749M*
- A749/A749M-08** Specification for Steel, Strip, Carbon and High-Strength, Low-Alloy, Hot-Rolled, General Requirements for, **01.03**
- A750** *Withdrawn 2004; Specification for Steel Air Ventilating Grille Units for Detention Areas*
- A751-11** Test Methods, Practices, and Terminology for Chemical Analysis of Steel Products, **01.01, 01.02, 01.03, 01.04, 01.05**
- A752** *Withdrawn 2011; Specification for General Requirements for Wire Rods and Coarse Round Wire, Alloy Steel; Replaced by A510*
- A752M** *Withdrawn 2011; Specification for General Requirements for Wire Rods and Coarse Round Wire, Alloy Steel (Metric); Replaced by A510*
- A753-08(2013)** Specification for Wrought Nickel-Iron Soft Magnetic Alloys (UNS K94490, K94840, N14076, N14080), **03.04**
- A754/A754M-11** Test Method for Coating Weight (Mass) of Metallic Coatings on Steel by X-Ray Fluorescence, **01.06**
- A755/A755M-11** Specification for Steel Sheet, Metallic Coated by the Hot-Dip Process and Prepainted by the Coil-Coating Process for Exterior Exposed Building Products, **01.06**
- A756-09** Specification for Stainless Anti-Friction Bearing Steel, **01.05**
- A757/A757M-10** Specification for Steel Castings, Ferritic and Martensitic, for Pressure-Containing and Other Applications, for Low-Temperature Service, **01.02**
- A758/A758M-13** Specification for Wrought-Carbon Steel Butt-Welding Piping Fittings with Improved Notch Toughness, **01.01**
- A759-10** Specification for Carbon Steel Crane Rails, **01.04**
- A760/A760M-13** Specification for Corrugated Steel Pipe, Metallic-Coated for Sewers and Drains, **01.06**
- A761/A761M-13a** Specification for Corrugated Steel Structural Plate, Zinc-Coated, for Field-Bolted Pipe, Pipe-Arches, and Arches, **01.06**
- A762/A762M-08** Specification for Corrugated Steel Pipe, Polymer Precoated for Sewers and Drains, **01.06**
- A763-93(2009)** Practices for Detecting Susceptibility to Intergranular Attack in Ferritic Stainless Steels, **01.03**
- A764-07(2012)** Specification for Metallic Coated Carbon Steel Wire, Coated at Size and Drawn to Size for Mechanical Springs, **01.06**
- A765/A765M-07(2012)** Specification for Carbon Steel and Low-Alloy Steel Pressure-Vessel-Component Forgings with Mandatory Toughness Requirements, **01.05**
- A766/A766M** *Withdrawn 1991; Specification for Forgings, Leaded, and Resulfurized Carbon Steel, for Pressure-Containing Applications*
- A767/A767M-09** Specification for Zinc-Coated (Galvanized) Steel Bars for Concrete Reinforcement, **01.04**
- A768/A768M-05(2010)** Specification for Vacuum-Treated 12% Chromium Alloy Steel Forgings for Turbine Rotors and Shafts, **01.05**
- A769/A769M-05(2010)** Specification for Carbon and High-Strength Electric Resistance Forge-Welded Steel Structural Shapes, **01.04**
- A770/A770M-03(2012)** Specification for Through-Thickness Tension Testing of Steel Plates for Special Applications, **01.04**
- A771/A771M** *Withdrawn 2004; Specification for Seamless Austenitic and Martensitic Stainless Steel Tubing for Liquid Metal-Cooled Reactor Core Components*
- A772/A772M-00(2011)<sup>1</sup>** Test Method for AC Magnetic Permeability of Materials Using Sinusoidal Current, **03.04**
- A773/A773M-01(2009)** Test Method for dc Magnetic Properties of Materials Using Ring and Permeameter Procedures with dc Electronic Hysteresis-graphs, **03.04**
- A774/A774M-13** Specification for As-Welded Wrought Austenitic Stainless Steel Fittings for General Corrosive Service at Low and Moderate Temperatures, **01.01**
- A775/A775M-07b** Specification for Epoxy-Coated Steel Reinforcing Bars, **01.04**
- A776** *Not Assigned*
- A777** *Withdrawn 1995; Specification for Galvanized Round Steel Tying Wire*
- A778-01(2009)<sup>1</sup>** Specification for Welded, Unannealed Austenitic Stainless Steel Tubular Products, **01.01**
- A779/A779M-12** Specification for Steel Strand, Seven-Wire, Uncoated, Compacted for Prestressed Concrete, **01.04**
- A780/A780M-09** Practice for Repair of Damaged and Uncoated Areas of Hot-Dip Galvanized Coatings, **01.06**
- A781/A781M-13a** Specification for Castings, Steel and Alloy, Common Requirements, for General Industrial Use, **01.02**
- A782/A782M** *Withdrawn 2010; Specification for Pressure-Vessel Plates, Quenched-and-Tempered, Manganese-Chromium-Molybdenum-Silicon Zirconium Alloy Steel*
- A783** *Withdrawn 1987; Specification for Aluminum-Zinc Alloy-Coated Steel Chain Link Fence Fabric*
- A784** *Withdrawn 1988; Specification for Aluminum-Zinc Alloy-Coated Steel Wire Rope and Fittings for Highway Guard Rail*
- A785** *Withdrawn 1988; Specification for Aluminum-Zinc Alloy-Coated Steel Wire Strand*
- A786/A786M-05(2009)** Specification for Hot-Rolled Carbon, Low-Alloy, High-Strength Low-Alloy, and Alloy Steel Floor Plates, **01.04**
- A787/A787M-09** Specification for Electric-Resistance-Welded Metallic-Coated Carbon Steel Mechanical Tubing, **01.01**
- A788/A788M-11** Specification for Steel Forgings, General Requirements, **01.05**
- A789/A789M-13a<sup>1</sup>** Specification for Seamless and Welded Ferritic/Austenitic Stainless Steel Tubing for General Service, **01.01**
- A790/A790M-13a** Specification for Seamless and Welded Ferritic/Austenitic Stainless Steel Pipe, **01.01**
- A791/A791M** *Withdrawn 1995; Specification for Welded, Unannealed Ferritic Stainless Steel Tubing; Replaced by A268/A268M*
- A792M** *Withdrawn 1994; Replaced by A792/A792M*
- A792/A792M-10** Specification for Steel Sheet, 55 % Aluminum-Zinc Alloy-Coated by the Hot-Dip Process, **01.06**
- A793-96(2009)** Specification for Rolled Floor Plate, Stainless Steel, **01.03**
- A794/A794M-12** Specification for Commercial Steel (CS), Sheet, Carbon (0.16 % Maximum to 0.25 % Maximum), Cold-Rolled, **01.03**
- A795/A795M-13** Specification for Black and Hot-Dipped Zinc-Coated (Galvanized) Welded and Seamless Steel Pipe for Fire Protection Use, **01.01**
- A796/A796M-13a** Practice for Structural Design of Corrugated Steel Pipe, Pipe-Arches, and Arches for Storm and Sanitary Sewers and Other Buried Applications, **01.06**
- A797** *Withdrawn 1990; Specification for Aluminum-Zinc Alloy-Coated Steel Overhead Ground Wire Strand*
- A798/A798M-13** Practice for Installing Factory-Made Corrugated Steel Pipe for Sewers and Other Applications, **01.06**
- A799/A799M-10** Practice for Steel Castings, Stainless, Instrument Calibration, for Estimating Ferrite Content, **01.02**
- A800/A800M-10** Practice for Steel Casting, Austenitic Alloy, Estimating Ferrite Content Thereof, **01.02**
- A801-09** Specification for Wrought Iron-Cobalt High Magnetic Saturation Alloys (UNS R30005 and K92650), **03.04**
- A802/A802M-95(2010)<sup>1</sup>** Practice for Steel Castings, Surface Acceptance Standards, Visual Examination, **01.02**
- A803/A803M-12** Specification for Seamless and Welded Ferritic Stainless Steel Feedwater Heater Tubes, **01.01**
- A804/A804M-04(2009)<sup>1</sup>** Test Methods for Alternating-Current Magnetic Properties of Materials at Power Frequencies Using Sheet-Type Test Specimens, **03.04**



- A805/A805M-09** Specification for Steel, Flat Wire, Carbon, Cold-Rolled, **01.03**  
**A806/A806M** *Withdrawn 1995; Specification for Steel Sheet, 55 Aluminum-Zinc Alloy Coated by the Hot-Dip Process for Storm Sewer and Drainage Pipe; Replaced by A929/A929M*
- A807/A807M-13** Practice for Installing Corrugated Steel Structural Plate Pipe for Sewers and Other Applications, **01.06**
- A808/A808M** *Withdrawn 2005; Specification for High-Strength, Low-Alloy Carbon, Manganese, Columbium, Vanadium Steel of Structural Quality with Improved Notch Toughness; Replaced by A656*
- A809-08(2013)** Specification for Aluminum-Coated (Aluminized) Carbon Steel Wire, **01.06**
- A810-01(2009)<sup>1</sup>** Specification for Zinc-Coated (Galvanized) Steel Pipe Winding Mesh, **01.06**
- A811-03(2008)** Specification for Soft Magnetic Iron Parts Fabricated by Powder Metallurgy (P/M) Techniques, **03.04**
- A812/A812M** *Withdrawn 1997; Specification for Steel Sheet, High-Strength, Low-Alloy, Hot-Rolled, for Welded Layered Pressure Vessels*
- A813/A813M-09** Specification for Single- or Double-Welded Austenitic Stainless Steel Pipe, **01.01**
- A814/A814M-08** Specification for Cold-Worked Welded Austenitic Stainless Steel Pipe, **01.01**
- A815/A815M-13a** Specification for Wrought Ferritic, Ferritic/Austenitic, and Martensitic Stainless Steel Piping Fittings, **01.01**
- A816/A816M** *Withdrawn 1994; Specification for Steel Sheet, Zinc-Coated (Galvanized) by the Hot-Dip Process, High-Strength, Low Alloy; Replaced by A653/A653M, A924/A924M*
- A817-12** Specification for Metallic-Coated Steel Wire for Chain-Link Fence Fabric and Marcellled Tension Wire, **01.06**
- A818-06(2010)** Specification for Coppered Carbon Steel Wire, **01.06**
- A819** *Withdrawn 1995; Specification for Steel Sheet, Aluminum-Coated Type 2 for Storm Sewer and Drainage Pipe; Replaced by A929/A929M*
- A820/A820M-11** Specification for Steel Fibers for Fiber-Reinforced Concrete, **01.04**
- A821/A821M-10** Specification for Steel Wire, Hard-Drawn for Prestressed Concrete Tanks, **01.04**
- A822/A822M-04(2010)** Specification for Seamless Cold-Drawn Carbon Steel Tubing for Hydraulic System Service, **01.01**
- A823-99(2012)** Specification for Statically Cast Permanent Mold Gray Iron Castings, **01.02**
- A824-01(2012)** Specification for Metallic-Coated Steel Marcellled Tension Wire for Use With Chain Link Fence, **01.06**
- A825** *Withdrawn 1991; Specification for Steel Sheet, Composite Coated for Corrugated Steel Sewer Pipe and Bin-Type Retaining Walls*
- A826/A826M** *Withdrawn 2004; Specification for Seamless Austenitic and Martensitic Stainless Steel Duct Tubes for Liquid Metal-Cooled Reactor Core Components*
- A827/A827M-11** Specification for Plates, Carbon Steel, for Forging and Similar Applications, **01.04**
- A828** *Not Assigned*
- A829/A829M-11** Specification for Alloy Structural Steel Plates, **01.04**
- A830/A830M-13** Specification for Plates, Carbon Steel, Structural Quality, Furnished to Chemical Composition Requirements, **01.04**
- A831/A831M** *Withdrawn 2005; Specification for Austenitic and Martensitic Stainless Steel Bars, Billets, and Forgings for Liquid Metal Cooled Reactor Core Components*
- A832/A832M-10** Specification for Pressure Vessel Plates, Alloy Steel, Chromium-Molybdenum-Vanadium, **01.04**
- A833-08a** Practice for Indentation Hardness of Metallic Materials by Comparison Hardness Testers, **01.05**
- A834-95(2011)** Specification for Common Requirements for Iron Castings for General Industrial Use, **01.02**
- A835/A835M-10** Specification for Sizes of Ferroalloys and Alloy Additives, **01.02**
- A836/A836M-13** Specification for Titanium-Stabilized Carbon Steel Forgings for Glass-Lined Piping and Pressure Vessel Service, **01.01**
- A837/A837M-06(2011)** Specification for Steel Forgings, Alloy, for Carburizing Applications, **01.05**
- A838-02(2013)** Specification for Free-Machining Ferritic Stainless Steel Magnetic Alloy Bar for Relay Applications, **03.04**
- A839-02(2008)** Specification for Iron-Phosphorus Powder Metallurgy (P/M) Parts for Soft Magnetic Applications, **03.04**
- A840** *Withdrawn 2011; Specification for Fully Processed Magnetic Lamination Steel*
- A841/A841M-13** Specification for Steel Plates for Pressure Vessels, Produced by Thermo-Mechanical Control Process (TMCP), **01.04**
- A842-11a** Specification for Compacted Graphite Iron Castings, **01.02**
- A843** *Withdrawn 1988; Specification for Flat-Rolled, Grain-Oriented, High Permeability, Silicon-Iron Electrical Steel, Fully Processed, Types 27p066, 30p070, 35p076; Replaced by A876/A876M*
- A844/A844M-09** Specification for Steel Plates, 9% Nickel Alloy, for Pressure Vessels, Produced by the Direct-Quenching Process, **01.04**
- A845** *Withdrawn 2005; Specification for Titanium Scrap for Use in Deoxidation and Alloying of Steel*
- A846** *Withdrawn 2005; Specification for Aluminum Scrap for Use in Deoxidation and Alloying of Steel*
- A847/A847M-12** Specification for Cold-Formed Welded and Seamless High-Strength, Low-Alloy Structural Tubing with Improved Atmospheric Corrosion Resistance, **01.01**
- A848-01(2011)** Specification for Low-Carbon Magnetic Iron, **03.04**
- A849-10** Specification for Post-Applied Coatings, Pavings, and Linings for Corrugated Steel Sewer and Drainage Pipe, **01.06**
- A850** *Withdrawn 1991; Specification for Steel Bars, Carbon-Manganese Merchant Quality with 50 ksi (345 MPa) Yield Point*
- A851** *Withdrawn 2002; Specification for High-Frequency Induction Welded, Unannealed, Austenitic Steel Condenser Tubes*
- A852/A852M** *Withdrawn 2010; Specification for Quenched and Tempered Low-Alloy Structural Steel Plate with 70 ksi [485 MPa] Minimum Yield Strength to 4 in. [100 mm] Thick*
- A853-04(2010)** Specification for Steel Wire, Carbon, for General Use, **01.03**
- A854/A854M-08(2013)** Specification for Metallic-Coated Steel Smooth High-Tensile Fence and Trellis Wire, **01.06**
- A855/A855M-03(2009)** Specification for Zinc-5 % Aluminum-Mischmetal Alloy-Coated Steel Wire Strand, **01.06**
- A856/A856M-03(2009)** Specification for Zinc-5 % Aluminum-Mischmetal Alloy-Coated Carbon Steel Wire, **01.06**
- A857/A857M-07(2013)** Specification for Steel Sheet Piling, Cold Formed, Light Gage, **01.04**
- A858/A858M-13** Specification for Heat-Treated Carbon Steel Fittings for Low-Temperature and Corrosive Service, **01.01**
- A859/A859M-04(2009)** Specification for Age-Hardening Alloy Steel Forgings for Pressure Vessel Components, **01.05**
- A860/A860M-13** Specification for Wrought High-Strength Ferritic Steel Bolt-Welding Fittings, **01.01**
- A861-04(2013)** Specification for High-Silicon Iron Pipe and Fittings, **01.02**
- A862/A862M-98(2008)** Practice for Application of Asphalt Coatings to Corrugated Steel Sewer and Drainage Pipe, **01.06**
- A863** *Withdrawn 1991; Specification for Corrugated Steel Pipe with Smooth PVC Liner for Sewers and Drains*
- A864/A864M** *Withdrawn 1997; Specification for Steel Wire, Deformed, for Prestressed Concrete Railroad Ties*
- A865/A865M-06(2012)** Specification for Threaded Couplings, Steel, Black or Zinc-Coated (Galvanized) Welded or Seamless, for Use in Steel Pipe Joints, **01.01**
- A866-09** Specification for Medium Carbon Anti-Friction Bearing Steel, **01.05**
- A867-03(2013)** Specification for Iron-Silicon Relay Steels, **03.04**
- A868** *Not Assigned*
- A869** *Not Assigned*
- A870** *Not Assigned*
- A871/A871M-12** Specification for High-Strength Low-Alloy Structural Steel Plate With Atmospheric Corrosion Resistance, **01.04**
- A872/A872M-07a(2012)** Specification for Centrifugally Cast Ferritic/Austenitic Stainless Steel Pipe for Corrosive Environments, **01.02**
- A873/A873M** *Withdrawn 1997; Specification for Steel Sheet and Strip, Chromium-Molybdenum Alloy, for Pressure Vessels*
- A874M** *Withdrawn 1998; Replaced by A874/A874M*
- A875/A875M-13** Specification for Steel Sheet, Zinc-5 % Aluminum Alloy-Coated by the Hot-Dip Process, **01.06**
- A876-12** Specification for Flat-Rolled, Grain-Oriented, Silicon-Iron, Electrical Steel, Fully Processed Types, **03.04**
- A876M** *Withdrawn 1998; Replaced by A876/A876M*
- A877/A877M-10<sup>1</sup>** Specification for Steel Wire, Chromium-Silicon Alloy, Chrome-Silicon-Vanadium Alloy Valve Spring Quality, **01.03**
- A878/A878M-05(2011)** Specification for Steel Wire, Modified Chromium Vanadium Valve Spring Quality, **01.03**
- A879/A879M-12** Specification for Steel Sheet, Zinc Coated by the Electrolytic Process for Applications Requiring Designation of the Coating Mass on Each Surface, **01.06**
- A880** *Withdrawn 2004; Practice for Criteria for Use in Evaluation of Testing Laboratories and Organizations for Examination and Inspection of Steel, Stainless Steel, and Related Alloys*
- A881/A881M-10** Specification for Steel Wire, Indented, Low-Relaxation for Prestressed Concrete Railroad Ties, **01.04**
- A882/A882M-04a(2010)** Specification for Filled Epoxy-Coated Seven-Wire Prestressing Steel Strand, **01.04**
- A883/A883M** *Withdrawn 2006; Test Method for Ferrimagnetic Resonance Linewidth and Gyromagnetic Ratio of Nonmetallic Magnetic Materials*
- A884/A884M-12** Specification for Epoxy-Coated Steel Wire and Welded Wire Reinforcement, **01.04**
- A885/A885M** *Withdrawn 2006; Specification for Steel Sheet, Zinc and Aramid Fiber Composite Coated for Corrugated Steel Sewer, Culvert, and Underdrain Pipe*
- A886/A886M-12** Specification for Steel Strand, Indented, Seven-Wire Stress-Relieved for Prestressed Concrete, **01.04**
- A887-89(2009)** Specification for Borated Stainless Steel Plate, Sheet, and Strip for Nuclear Application, **01.03**
- A888-13a** Specification for Hubless Cast Iron Soil Pipe and Fittings for Sanitary and Storm Drain, Waste, and Vent Piping Applications, **01.02**
- A889/A889M-03(2008)** Test Method for Alternating-Current Magnetic Properties of Materials at Low Magnetic Flux Density Using the Voltmeter-Ammeter-Wattmeter-Varmeter Method and 25-cm Epstein Frame, **03.04**
- A890/A890M-12a** Specification for Castings, Iron-Chromium-Nickel-Molybdenum Corrosion-Resistant, Duplex (Austenitic/Ferritic) for General Application, **01.02**
- A891/A891M-10** Specification for Precipitation Hardening Iron Base Superalloy Forgings for Turbine Rotor Disks and Wheels, **01.05**
- A892-09** Guide for Defining and Rating the Microstructure of High Carbon Bearing Steels, **01.05**
- A893/A893M-03(2008)** Test Method for Complex Dielectric Constant of Nonmetallic Magnetic Materials at Microwave Frequencies, **03.04**

- A894/A894M-00(2011)<sup>\*1</sup>** Test Method for Saturation Magnetization or Induction of Nonmetallic Magnetic Materials, **03.04**
- A895-89(2009)** Specification for Free-Machining Stainless Steel Plate, Sheet, and Strip, **01.03**
- A896/A896M-09** Practice for Conducting Case Studies on Galvanized Structures, **01.06**
- A897M Withdrawn 2001; Replaced by A897/A897M*
- A897/A897M-06(2011)** Specification for Austempered Ductile Iron Castings, **01.02**
- A898/A898M-07(2012)** Specification for Straight Beam Ultrasonic Examination of Rolled Steel Structural Shapes, **01.04**
- A899-91(2007)** Specification for Steel Wire, Epoxy-Coated, **01.03**
- A900/A900M-01(2012)** Test Method for Lamination Factor of Amorphous Magnetic Strip, **03.04**
- A901-12** Specification for Amorphous Magnetic Core Alloys, Semi-Processed Types, **03.04**
- A902-13b** Terminology Relating to Metallic Coated Steel Products, **01.06**
- A903/A903M-99(2012)** Specification for Steel Castings, Surface Acceptance Standards, Magnetic Particle and Liquid Penetrant Inspection, **01.02**
- A904-09** Specification for 50 Nickel-50 Iron Powder Metallurgy Soft Magnetic Parts, **03.04**
- A905-04(2010)** Specification for Steel Wire, Pressure Vessel Winding, **01.03**
- A906/A906M-02(2010)** Specification for Grade 80 and Grade 100 Alloy Steel Chain Slings for Overhead Lifting, **01.05**
- A907/A907M Withdrawn 2001; Specification for Steel, Sheet and Strip, Heavy Thickness Coils, Carbon, Hot-Rolled, Structural Quality; Replaced by A1018/A1018M*
- A908-03(2013)** Specification for Stainless Steel Needle Tubing, **01.01**
- A909/A909M-06(2011)** Specification for Steel Forgings, Microalloy, for General Industrial Use, **01.05**
- A910/A910M-12** Specification for Uncoated, Weldless, 2-Wire and 3-Wire Steel Strand for Prestressed Concrete, **01.04**
- A911/A911M-11** Specification for Uncoated, Stress-Relieved Steel Bars for Prestressed Concrete Railroad Ties, **01.04**
- A912/A912M-11** Test Method for Alternating-Current Magnetic Properties of Amorphous Materials at Power Frequencies Using Wattmeter-Ammeter-Voltmeter Method with Toroidal Specimens, **03.04**
- A913/A913M-11** Specification for High-Strength Low-Alloy Steel Shapes of Structural Quality, Produced by Quenching and Self-Tempering Process (QST), **01.04**
- A914/A914M-92(2011)** Specification for Steel Bars Subject to Restricted End-Quench Hardenability Requirements, **01.05**
- A915/A915M-08(2013)** Specification for Steel Castings, Carbon, and Alloy, Chemical Requirements Similar to Standard Wrought Grades, **01.02**
- A916 Withdrawn 1995; Specification for Steel Sheet, Zinc-5 % Aluminum-Mischmetal Alloy-Coated by Hot-Dip Process for Storm Sewer and Drainage Pipe; Replaced by A929/A929M*
- A917-08** Specification for Steel Sheet, Coated by the Electrolytic Process for Applications Requiring Designation of the Coating Mass on Each Surface (General Requirements), **01.06**
- A918-06(2011)** Specification for Steel Sheet, Zinc-Nickel Alloy Coated by the Electrolytic Process for Applications Requiring Designation of the Coating Mass on Each Surface, **01.06**
- A919 Withdrawn 1998; Terminology Relating to Heat Treatment of Metals; Replaced by A941*
- A920/A920M-07** Specification for Steel Bars, Microalloy, Hot-Wrought, Special Quality, Mechanical Properties, **01.05**
- A921/A921M-93(2011)** Specification for Steel Bars, Microalloy, Hot-Wrought, Special Quality, for Subsequent Hot Forging, **01.05**
- A922-05(2010)** Specification for Silicon Metal, **01.02**
- A923-08** Test Methods for Detecting Detrimental Intermetallic Phase in Duplex Austenitic/Ferritic Stainless Steels, **01.03**
- A924/A924M-13** Specification for General Requirements for Steel Sheet, Metallic-Coated by the Hot-Dip Process, **01.06**
- A925-03(2009)<sup>\*1</sup>** Specification for Zinc-5 % Aluminum-Mischmetal Alloy-Coated Steel Overhead Ground Wire Strand, **01.06**
- A926-03(2008)** Test Method for Comparing the Abrasion Resistance of Coating Materials for Corrugated Metal Pipe, **01.06**
- A927/A927M-11** Test Method for Alternating-Current Magnetic Properties of Toroidal Core Specimens Using the Voltmeter-Ammeter-Wattmeter Method, **03.04**
- A928/A928M-13** Specification for Ferritic/Austenitic (Duplex) Stainless Steel Pipe Electric Fusion Welded with Addition of Filler Metal, **01.01**
- A929/A929M-01(2007)** Specification for Steel Sheet, Metallic-Coated by the Hot-Dip Process for Corrugated Steel Pipe, **01.06**
- A930-09** Practice for Life-Cycle Cost Analysis of Corrugated Metal Pipe Used for Culverts, Storm Sewers, and Other Buried Conduits, **01.06**
- A931-08(2013)** Test Method for Tension Testing of Wire Ropes and Strand, **01.03**
- A932/A932M-01(2012)** Test Method for Alternating-Current Magnetic Properties of Amorphous Materials at Power Frequencies Using Wattmeter-Ammeter-Voltmeter Method with Sheet Specimens, **03.04**
- A933/A933M-10** Specification for Vinyl-Coated Steel Wire and Welded Wire Reinforcement, **01.04**
- A934/A934M-13** Specification for Epoxy-Coated Prefabricated Steel Reinforcing Bars, **01.04**
- A935/A935M Withdrawn 2001; Specification for Steel, Sheet and Strip, Heavy Thickness Coils, High Strength, Low-Alloy, Columbium or Vanadium, or Both, Hot-Rolled; Replaced by A1018/A1018M*
- A936/A936M Withdrawn 2001; Specification for Steel, Sheet And Strip, Heavy Thickness Coils, High Strength, Low-Alloy, Hot-Rolled, With Improved Formability; Replaced by A1018/A1018M*
- A937/A937M-12** Test Method for Determining Interlaminar Resistance of Insulating Coatings Using Two Adjacent Test Surfaces, **03.04**
- A938-07(2013)** Test Method for Torsion Testing of Wire, **01.03**
- A939/A939M-12** Practice for Ultrasonic Examination from Bored Surfaces of Cylindrical Forgings, **01.05**
- A940/A940M-06(2011)** Specification for Vacuum Treated Steel Forgings, Alloy, Differentially Heat Treated, for Turbine Rotors, **01.05**
- A941-13b** Terminology Relating to Steel, Stainless Steel, Related Alloys, and Ferroalloys, **01.01, 01.02, 01.03, 01.04, 01.05**
- A942/A942M-95(2012)<sup>\*1</sup>** Specification for Centrifugally Cast White Iron/Gray Iron Dual Metal Abrasion-Resistant Roll Shells, **01.02**
- A943/A943M-01(2009)** Specification for Spray-Formed Seamless Austenitic Stainless Steel Pipes, **01.01**
- A944-10** Test Method for Comparing Bond Strength of Steel Reinforcing Bars to Concrete Using Beam-End Specimens, **01.04**
- A945/A945M-06(2011)** Specification for High-Strength Low-Alloy Structural Steel Plate with Low Carbon and Restricted Sulfur for Improved Weldability, Formability, and Toughness, **01.04**
- A946 Withdrawn 2012; Specification for Chromium, Chromium-Nickel and Silicon Alloy Steel Plate, Sheet, and Strip for Corrosion and Heat Resisting Service*
- A947M-13** Specification for Textured Stainless Steel Sheet Metric, **01.03**
- A949 Redesignated 1995 - A949/A949M*
- A949/A949M-01(2009)** Specification for Spray-Formed Seamless Ferritic/Austenitic Stainless Steel Pipe, **01.01**
- A950/A950M-11** Specification for Fusion-Bonded Epoxy-Coated Structural Steel H-Piles and Sheet Piling, **01.04**
- A951/A951M-11** Specification for Steel Wire for Masonry Joint Reinforcement, **01.04**
- A952/A952M-02(2010)** Specification for Forged Grade 80 and Grade 100 Steel Lifting Components and Welded Attachment Links, **01.05**
- A953 Withdrawn 2005; Specification for Austenitic Chromium-Nickel-Silicon Alloy Steel Seamless and Welded Tubing*
- A954 Withdrawn 2005; Specification for Austenitic Chromium-Nickel-Silicon Alloy Steel Seamless and Welded Pipe*
- A955/A955M-12<sup>\*1</sup>** Specification for Deformed and Plain Stainless-Steel Bars for Concrete Reinforcement, **01.04**
- A956-12** Test Method for Leeb Hardness Testing of Steel Products, **01.05**
- A957/A957M-13** Specification for Investment Castings, Steel and Alloy, Common Requirements, for General Industrial Use, **01.02**
- A958/A958M-10** Specification for Steel Castings, Carbon and Alloy, with Tensile Requirements, Chemical Requirements Similar to Standard Wrought Grades, **01.02**
- A959-11** Guide for Specifying Harmonized Standard Grade Compositions for Wrought Stainless Steels, **01.03**
- A960/A960M-13** Specification for Common Requirements for Wrought Steel Piping Fittings, **01.01**
- A961/A961M-13** Specification for Common Requirements for Steel Flanges, Forged Fittings, Valves, and Parts for Piping Applications, **01.01**
- A962/A962M-13b** Specification for Common Requirements for Bolting Intended for Use at Any Temperature from Cryogenic to the Creep Range, **01.01**
- A963/A963M Withdrawn 2000; Specification for Deep Drawing Steel (DDS), Sheet, Carbon, Cold-Rolled; Replaced by A1008/A1008M*
- A964/A964M-03(2011)** Specification for Corrugated Steel Box Culverts, **01.06**
- A965/A965M-13** Specification for Steel Forgings, Austenitic, for Pressure and High Temperature Parts, **01.05**
- A966/A966M-08(2012)** Practice for Magnetic Particle Examination of Steel Forgings Using Alternating Current, **01.05**
- A967/A967M-13** Specification for Chemical Passivation Treatments for Stainless Steel Parts, **01.03**
- A968/A968M-96(2009)** Specification for Chromium, Chromium-Nickel, and Silicon Alloy Steel Bars and Shapes for Corrosion and Heat-Resisting Service, **01.03**
- A969/A969M Withdrawn 2000; Specification for Extra Deep Drawing Steel (EDDS), Sheet, Carbon, Cold-Rolled; Replaced by A1008/A1008M*
- A970/A970M-13a** Specification for Headed Steel Bars for Concrete Reinforcement, **01.04**
- A971/A971M-10** Test Method for Measuring Edge Taper and Crown of Flat-Rolled Electrical Steel Coils, **03.04**
- A972/A972M-00(2010)** Specification for Fusion Bonded Epoxy-Coated Pipe Piles, **01.01**
- A973/A973M-07(2012)** Specification for Grade 100 Alloy Steel Chain, **01.05**
- A974-97(2011)** Specification for Welded Wire Fabric Gabions and Gabion Mattresses (Metallic-Coated or Polyvinyl Chloride (PVC) Coated), **01.06**
- A975-11** Specification for Double-Twisted Hexagonal Mesh Gabions and Revet Mattresses (Metallic-Coated Steel Wire or Metallic-Coated Steel Wire With Poly(Vinyl Chloride) (PVC) Coating), **01.06**
- A976-13** Classification of Insulating Coatings for Electrical Steels by Composition, Relative Insulating Ability and Application, **03.04**
- A977/A977M-07(2013)** Test Method for Magnetic Properties of High-Coercivity Permanent Magnet Materials Using Hysteresisgraphs, **03.04**
- A978/A978M-08(2013)** Specification for Composite Ribbed Steel Pipe, Precast and Polyethylene Lined for Gravity Flow Sanitary Sewers, Storm Sewers, and Other Special Applications, **01.06**
- A979/A979M-03(2009)** Specification for Concrete Pavements and Linings Installed in Corrugated Steel Structures in the Field, **01.06**

- A980/A980M-11** Specification for Steel, Sheet, Carbon, Ultra High Strength Cold Rolled, **01.03**
- A981/A981M-11** Test Method for Evaluating Bond Strength for 0.600-in. 15.24-mm Diameter Steel Prestressing Strand, Grade 270 1860, Uncoated, Used in Prestressed Ground Anchors, **01.04**
- A982/A982M-10** Specification for Steel Forgings, Stainless, for Compressor and Turbine Airfoils, **01.05**
- A983/A983M-06(2011)** Specification for Continuous Grain Flow Forged Carbon and Alloy Steel Crankshafts for Medium Speed Diesel Engines, **01.05**
- A984/A984M-03(2009)** Specification for Steel Line Pipe, Black, Plain-End, Electric-Resistance-Welded, **01.01**
- A985/A985M-13** Specification for Steel Investment Castings General Requirements, for Pressure-Containing Parts, **01.02**
- A986/A986M-01(2011)** Specification for Magnetic Particle Examination of Continuous Grain Flow Crankshaft Forgings, **01.05**
- A987/A987M-09** Practice for Measuring Shape Characteristics of Tin Mill Products, **01.06**
- A988/A988M-13** Specification for Hot Isostatically-Pressed Stainless Steel Flanges, Fittings, Valves, and Parts for High Temperature Service, **01.01**
- A989/A989M-13** Specification for Hot Isostatically-Pressed Alloy Steel Flanges, Fittings, Valves, and Parts for High Temperature Service, **01.01**
- A990/A990M-11<sup>\*1</sup>** Specification for Castings, Iron-Nickel-Chromium and Nickel Alloys, Specially Controlled for Pressure Retaining Parts for Corrosive Service, **01.02**
- A991/A991M-10** Test Method for Conducting Temperature Uniformity Surveys of Furnaces Used to Heat Treat Steel Products, **01.03**
- A992/A992M-11** Specification for Structural Steel Shapes, **01.04**
- A993 Withdrawn 2004; Test Method for Dynamic Tear Testing of Cast Irons to Establish Transition Temperature*
- A994-13** Guide for Editorial Procedures and Form of Product Specifications for Steel, Stainless Steel, and Related Alloys, **01.01**
- A995/A995M-12a** Specification for Castings, Austenitic-Ferritic (Duplex) Stainless Steel, for Pressure-Containing Parts, **01.02**
- A996/A996M-09b** Specification for Rail-Steel and Axle-Steel Deformed Bars for Concrete Reinforcement, **01.04**
- A997-08(2012)** Practice for Investment Castings, Surface Acceptance Standards, Visual Examination, **01.02**
- A998/A998M-12** Practice for Structural Design of Reinforcements for Fittings in Factory-Made Corrugated Steel Pipe for Sewers and Other Applications, **01.06**
- A999/A999M-13** Specification for General Requirements for Alloy and Stainless Steel Pipe, **01.01**
- A1000/A1000M-11** Specification for Steel Wire, Carbon and Alloy Specialty Spring Quality, **01.03**
- A1001-01(2010)** Specification for High Strength Steel Castings in Heavy Sections, **01.02**
- A1002-10** Specification for Castings, Nickel-Aluminum Ordered Alloy, **01.02**
- A1003/A1003M-13b** Specification for Steel Sheet, Carbon, Metallic- and Nonmetallic-Coated for Cold-Formed Framing Members, **01.06**
- A1004/A1004M-99(2009)** Practice for Establishing Conformance to the Minimum Expected Corrosion Characteristics of Metallic, Painted-Metallic, and Nonmetallic-Coated Steel Sheet Intended for Use as Cold Formed Framing Members, **01.06**
- A1005/A1005M-00(2010)** Specification for Steel Line Pipe, Black, Plain End, Longitudinal and Helical Seam, Double Submerged-Arc Welded, **01.01**
- A1006/A1006M-00(2010)** Specification for Steel Line Pipe, Black, Plain End, Laser Beam Welded, **01.01**
- A1007-07** Specification for Carbon Steel Wire for Wire Rope, **01.03**
- A1008/A1008M-13** Specification for Steel, Sheet, Cold-Rolled, Carbon, Structural, High-Strength Low-Alloy, High-Strength Low-Alloy with Improved Formability, Solution Hardened, and Bake Hardenable, **01.03**
- A1009-05(2010)** Specification for Soft Magnetic MnZn Ferrite Core Materials for High Frequency (10 kHz-1 MHz) Power Transformer and Filter Inductor Applications, **03.04**
- A1010/A1010M-13** Specification for Higher-Strength Martensitic Stainless Steel Plate, Sheet, and Strip, **01.03**
- A1011/A1011M-13** Specification for Steel, Sheet and Strip, Hot-Rolled, Carbon, Structural, High-Strength Low-Alloy, High-Strength Low-Alloy with Improved Formability, and Ultra-High Strength, **01.03**
- A1012-10** Specification for Seamless and Welded Ferritic, Austenitic and Duplex Alloy Steel Condenser and Heat Exchanger Tubes With Integral Fins, **01.01**
- A1013-00(2013)<sup>\*1</sup>** Test Method for High-Frequency (10 kHz-1 MHz) Core Loss of Soft Magnetic Core Components at Controlled Temperatures Using the Voltmeter-Ammeter-Wattmeter Method, **03.04**
- A1014/A1014M-10** Specification for Precipitation-Hardening Bolting (UNS N07718) for High Temperature Service, **01.01**
- A1015-01(2009)** Guide for Videoborecopying of Tubular Products for Sanitary Applications, **01.01**
- A1016/A1016M-13** Specification for General Requirements for Ferritic Alloy Steel, Austenitic Alloy Steel, and Stainless Steel Tubes, **01.01**
- A1017/A1017M-11** Specification for Pressure Vessel Plates, Alloy Steel, Chromium-Molybdenum-Tungsten, **01.04**
- A1018/A1018M-10** Specification for Steel, Sheet and Strip, Heavy-Thickness Coils, Hot-Rolled, Carbon, Commercial, Drawing, Structural, High-Strength Low-Alloy, High-Strength Low-Alloy with Improved Formability, and Ultra-High Strength, **01.03**
- A1019/A1019M Withdrawn 2012; Specification for Closed Rib Steel Pipe with Diameter of 36 in. [900 mm] or Less, Polymer Precoated for Sewers and Drains*
- A1020/A1020M-02(2012)** Specification for Steel Tubes, Carbon and Carbon Manganese, Fusion Welded, for Boiler, Superheater, Heat Exchanger and Condenser Applications, **01.01**
- A1021/A1021M-05(2010)** Specification for Martensitic Stainless Steel Forgings and Forging Stock for High-Temperature Service, **01.05**
- A1022/A1022M-13** Specification for Deformed and Plain Stainless Steel Wire and Welded Wire for Concrete Reinforcement, **01.04**
- A1023/A1023M-09<sup>\*1</sup>** Specification for Stranded Carbon Steel Wire Ropes for General Purposes, **01.03**
- A1024/A1024M-02(2012)** Specification for Steel Line Pipe, Black, Plain-End, Seamless, **01.01**
- A1025/A1025M-10** Specification for Ferrous Alloys and Other Alloying Materials, General Requirements, **01.02**
- A1026 Withdrawn 2007; Specification for Alloy Steel Structural Shapes for Use in Building Framing*
- A1028-03(2009)** Specification for Stainless Steel Bars for Compressor and Turbine Airfoils, **01.03**
- A1030/A1030M-11** Practice for Measuring Flatness Characteristics of Steel Sheet Products, **01.06**
- A1031/A1031M-12** Specification for Steel, Sheet and Strip, Heavy-Thickness Coils, Alloy, Drawing Steel and Structural Steel, Hot-Rolled, **01.03**
- A1032-04(2010)** Test Method for Hydrogen Embrittlement Resistance for Steel Wire Hard Drawn Used for Prestressing Concrete Pipe, **01.04**
- A1033-10** Practice for Quantitative Measurement and Reporting of Hypo-eutectoid Carbon and Low-Alloy Steel Phase Transformations, **01.03**
- A1034/A1034M-10a** Test Methods for Testing Mechanical Splices for Steel Reinforcing Bars, **01.04**
- A1035/A1035M-13b** Specification for Deformed and Plain, Low-Carbon, Chromium, Steel Bars for Concrete Reinforcement, **01.04**
- A1036-04(2009)** Guide for Measuring Power Frequency Magnetic Properties of Flat-Rolled Electrical Steels Using Small Single Sheet Testers, **03.04**
- A1037/A1037M-05(2012)** Specification for Steel Line Pipe, Black, Furnace-Butt-Welded, **01.01**
- A1038-10a** Test Method for Portable Hardness Testing by the Ultrasonic Contact Impedance Method, **01.05**
- A1039/A1039M-13** Specification for Steel, Sheet, Hot Rolled, Carbon, Commercial, Structural, and High-Strength Low-Alloy, Produced by Twin-Roll Casting Process, **01.03**
- A1040-10** Guide for Specifying Harmonized Standard Grade Compositions for Wrought Carbon, Low-Alloy, and Alloy Steels, **01.05**
- A1041/A1041M Withdrawn 2013; Specification for Pressure Vessel Plates, Alloy Steel, Higher Strength Chromium-Molybdenum-Tungsten*
- A1042/A1042M-04(2009)** Specification for Composite Corrugated Steel Pipe for Sewers and Drains, **01.06**
- A1043/A1043M-05(2009)** Specification for Structural Steel with Low Yield to Tensile Ratio for Use in Buildings, **01.04**
- A1044/A1044M-05(2010)** Specification for Steel Stud Assemblies for Shear Reinforcement of Concrete, **01.04**
- A1045-10** Specification for Flexible Poly (Vinyl Chloride) (PVC) Gaskets used in Connection of Vitreous China Plumbing Fixtures to Sanitary Drainage Systems, **01.02**
- A1046/A1046M-10a<sup>\*1</sup>** Specification for Steel Sheet, Zinc-Aluminum-Magnesium Alloy-Coated by the Hot-Dip Process, **01.06**
- A1047/A1047M-05(2009)** Test Method for Pneumatic Leak Testing of Tubing, **01.01**
- A1048/A1048M-06(2011)** Specification for Pressure Vessel Forgings, Alloy Steel, Higher Strength Chromium-Molybdenum-Tungsten for Elevated Temperature Service, **01.05**
- A1049/A1049M-10** Specification for Stainless Steel Forgings, Ferritic/Austenitic (Duplex), for Pressure Vessels and Related Components, **01.05**
- A1053/A1053M-12** Specification for Welded Ferritic-Martensitic Stainless Steel Pipe, **01.01**
- A1054-07** Specification for Sintered Ceramic Ferrite Permanent Magnets, **03.04**
- A1055/A1055M-10<sup>\*1</sup>** Specification for Zinc and Epoxy Dual-Coated Steel Reinforcing Bars, **01.04**
- A1056-12** Specification for Cast Iron Couplings Used for Joining Hubless Cast Iron Soil Pipe and Fittings, **01.02**
- A1057/A1057M-08** Specification for Steel, Structural Tubing, Cold Formed, Welded, Carbon, Zinc-Coated (Galvanized) by the Hot-Dip Process, **01.06**
- A1058-12b** Test Methods for Mechanical Testing of Steel Products—Metric, **01.01, 01.02, 01.03, 01.04, 01.05**
- A1059/A1059M-08(2013)** Specification for Zinc Alloy Thermo-Diffusion Coatings (TDC) on Steel Fasteners, Hardware, and Other Products, **01.06**
- A1060/A1060M-11<sup>\*1</sup>** Specification for Zinc-Coated (Galvanized) Steel Welded Wire Reinforcement, Plain and Deformed, for Concrete, **01.04**
- A1061/A1061M-09** Test Methods for Testing Multi-Wire Steel Strand, **01.04**
- A1062-10** Specification for Steel Castings Sampling, **01.02**
- A1063/A1063M-11a** Specification for Steel Sheet, Twin-Roll Cast, Zinc-Coated (Galvanized) by the Hot-Dip Process, **01.06**
- A1064/A1064M-13** Specification for Carbon-Steel Wire and Welded Wire Reinforcement, Plain and Deformed, for Concrete, **01.04**
- A1065/A1065M-09** Specification for Cold-Formed Electric-Fusion (Arc) Welded High-Strength Low-Alloy Structural Tubing in Shapes, with 50 ksi 345 MPa Minimum Yield Point, **01.01**
- A1066/A1066M-11** Specification for High-Strength Low-Alloy Structural Steel Plate Produced by Thermo-Mechanical Controlled Process (TMCP), **01.04**
- A1067/A1067M-12a** Specification for Test Coupons for Steel Castings, **01.02**

- A1068-10** Practice for Life-Cycle Cost Analysis of Corrosion Protection Systems on Iron and Steel Products, **01.06**
- A1069/A1069M-11** Specification for Laser-Fused Stainless Steel Bars, Plates, and Shapes, **01.03**
- A1071/A1071M-11** Test Method for Evaluating Hygrothermal Corrosion Resistance of Permanent Magnet Alloys, **03.04**
- A1072/A1072M-11** Specification for Zinc-5 % Aluminum (Hot-Dip) Coatings on Iron and Steel Products, **01.06**
- A1073/A1073M-12** Practice for Using Hand Micrometers to Measure the Thickness of Nonmetallic and Metallic-Coated Steel Sheet, **01.06**
- A1074-11** Specification for Hot Tin and Hot Tin/Lead Dip on Ferrous and Non-Ferrous Metals, **01.06**
- A1075-12** Specification for Flanged Steel U-Channel Posts, **01.05**
- A1076/A1076M-13** Specification for Cold Formed Carbon Structural Steel Tubing Made from Metallic Precoated Sheet Steel, **01.01**
- A1077/A1077M-12** Specification for Structural Steel with Improved Yield Strength at High Temperature for Use in Buildings, **01.04**
- A1078/A1078M-12** Specification for Epoxy-Coated Steel Dowels for Concrete Pavement, **01.04**
- A1079-13<sup>2</sup>** Specification for Steel Sheet, Complex Phase (CP), Dual Phase (DP) and Transformation Induced Plasticity (TRIP), Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process, **01.06**
- A1080-12** Practice for Hot Isostatic Pressing of Steel, Stainless Steel, and Related Alloy Castings, **01.02**
- A1081/A1081M-12** Test Method for Evaluating Bond of Seven-Wire Steel Prestressing Strand, **01.04**
- A1082/A1082M-12** Specification for High Strength Precipitation Hardening and Duplex Stainless Steel Bolting for Special Purpose Applications, **01.01**
- A1083/A1083M-12** Specification for Steel, Sheet, Cold-Rolled, Carbon, Structural, High-Strength Low-Alloy, Produced by Twin-Roll Casting Process, **01.03**
- A1084-13** Test Method for Detecting Detrimental Phases in Lean Duplex Austenitic/Ferritic Stainless Steels, **01.03**
- A1085-13** Specification for Cold-Formed Welded Carbon Steel Hollow Structural Sections (HSS), **01.01**
- A1086-13** Specification for Thin-Gauge Nonoriented Electrical Steel Fully Processed Types, **03.04**
- A1088-13** Specification for Steel, Sheet, Cold-Rolled, Complex Phase (CP), Dual Phase (DP) and Transformation Induced Plasticity (TRIP), **01.03**

## B. NONFERROUS METALS

- B1-13** Specification for Hard-Drawn Copper Wire, **02.03**  
**B2-13** Specification for Medium-Hard-Drawn Copper Wire, **02.03**  
**B3-13** Specification for Soft or Annealed Copper Wire, **02.03**  
**B4** Withdrawn 1981; Specification Tough-Pitch Lake Copper-Refinery Shapes  
**B5-11** Specification for High Conductivity Tough-Pitch Copper Refinery Shapes, **02.01**  
**B6-13** Specification for Zinc, **02.04**  
**B7** Withdrawn 1941; Specification for Copper-Base Alloys in Ingot Form for Sand Castings; Replaced by B30  
**B8-11** Specification for Concentric-Lay-Stranded Copper Conductors, Hard, Medium-Hard, or Soft, **02.03**  
**B9-90(2012)** Specification for Bronze Trolley Wire, **02.03**  
**B10** Withdrawn 1934; Specification for Tin-Bronze and Leaded Tin-Bronze Sand Castings  
**B11** Withdrawn 1981; Specification for Copper Plates for Locomotive Fireboxes  
**B12** Withdrawn 1982; Specification for Copper Rods for Locomotive Staybolts; Replaced by B133  
**B13** Withdrawn 1961; Specification for Seamless Copper Boiler Tubes  
**B14** Withdrawn 1955; Specification for Seamless Brass Boiler Tubes  
**B15** Withdrawn 1939; Specification for Copper and Copper-Base Alloy Forging Rod, Bar, and Shapes; Replaced by B124  
**B16M** Withdrawn 1999; Replaced by B16/B16M  
**B16/B16M-10** Specification for Free-Cutting Brass Rod, Bar and Shapes for Use in Screw Machines, **02.01**  
**B17** Withdrawn 1927; Specification for Bronze Castings in the Rough for Locomotive Wearing Parts; Replaced by B66, B67  
**B18** Withdrawn 1942; Methods of Testing Chemical Analysis of Lead, Tin, and Base Solder Metal; Replaced by E46  
**B19-10** Specification for Cartridge Brass Sheet, Strip, Plate, Bar, and Disks, **02.01**  
**B20** Withdrawn 1940; Specification for Cartridge Brass Sheet, Strip, Plate, Bar, and Disks; Combined with B 19  
**B21M** Withdrawn 2001; Replaced by B21/B21M  
**B21/B21M-12** Specification for Naval Brass Rod, Bar, and Shapes, **02.01**  
**B22/B22M-13<sup>1</sup>** Specification for Bronze Castings for Bridges and Turntables, **02.01**  
**B23-00(2010)** Specification for White Metal Bearing Alloys, **02.04**  
**B24** Withdrawn 1956; Specification for Aluminum Ingots for Remelting  
**B25** Withdrawn 1946; Specification for Aluminum Alloy Sheet and Plate; Replaced by B209  
**B26/B26M-12** Specification for Aluminum-Alloy Sand Castings, **02.02**  
**B27** Withdrawn 1943; Methods of Testing Chemical Analysis for Sulfur in Special Brasses and Bronzes; Replaced by E54  
**B28** Withdrawn 1943; Methods of Testing Chemical Analysis of Special Brasses and Bronzes; Replaced by E54  
**B29-03(2009)** Specification for Refined Lead, **02.04**  
**B30-12** Specification for Copper Alloys in Ingot Form, **02.01**  
**B31** Withdrawn 1932; Specification for Copper-Base Alloys in Ingot Form for Sand Casting; Replaced by B30  
**B32-08** Specification for Solder Metal, **02.04**  
**B33-10** Specification for Tin-Coated Soft or Annealed Copper Wire for Electrical Purposes, **02.03**  
**B34** Redesignated 1945 - E53; Method of Battery Assay of Copper  
**B35** Withdrawn 1942; Methods of Testing Chemical Analysis of Pig Lead; Replaced by E37  
**B36/B36M-13** Specification for Brass Plate, Sheet, Strip, and Rolled Bar, **02.01**  
**B37-08(2013)** Specification for Aluminum for Use in Iron and Steel Manufacture, **02.02**  
**B38** Withdrawn 1942; Methods of Testing Chemical Analysis of Slab Zinc (Spelter); Replaced by E40  
**B39-79(2013)** Specification for Nickel, **02.04**  
**B40** Withdrawn 1942; Photometric Methods for Chemical Analysis of Aluminum and Aluminum Base Alloys; Replaced by E34  
**B41** Withdrawn 1942; Method for Testing Chemical Analysis of Nickel; Replaced by E39  
**B42-10** Specification for Seamless Copper Pipe, Standard Sizes, **02.01**  
**B43-09** Specification for Seamless Red Brass Pipe, Standard Sizes, **02.01**  
**B44** Withdrawn 1937; Specification for Copper and Copper-Alloy Seamless Condenser Tubes and Ferrule Stock; Replaced by B111  
**B45** Withdrawn 1942; Methods for Testing Chemical Analysis of Brasses  
**B46** Withdrawn 1943; Methods of Testing Chemical Analysis for Sulfur in Special Brasses and Bronzes; Replaced by E54  
**B47-95a(2012)** Specification for Copper Trolley Wire, **02.03**  
**B48-00(2011)** Specification for Soft Rectangular and Square Bare Copper Wire for Electrical Conductors, **02.03**  
**B49-10** Specification for Copper Rod Drawing Stock for Electrical Purposes, **02.01**  
**B50** Withdrawn 1937; Specification for Non-Ferrous Insect Screen Cloth  
**B51** Withdrawn 1945; Specification for Phosphor Tin  
**B52** Withdrawn 1980; Specification for Phosphor Copper; Replaced by B644  
**B53** Withdrawn 1980; Specification for Silicon Copper; Replaced by B644  
**B54** Withdrawn 1941; Specification for High-Strength Yellow Brass (Manganese Bronze) and Leaded High-Strength Yellow Brass (Leaded Manganese Bronze) Sand Castings  
**B55** Withdrawn 1937; Specification for Seamless 70-30 Brass Condenser Tubes and Ferrule Stock  
**B56** Withdrawn 1937; Specification for Seamless Muntz Metal Condenser Tubes and Ferrule Stock; Replaced by B111  
**B57** Withdrawn 1942; Specification for Copper-Alloy Condenser Tube Plates; Replaced by B171  
**B58** Withdrawn 1946; Specification for Aluminum-Base Alloys in Ingot Form for Sand Castings; Replaced by B179  
**B59** Withdrawn 1941; Specification for Aluminum-Bronze Sand Castings; Replaced by B148  
**B60** Withdrawn 1944; Specification for Tin-Bronze and Leaded Tin-bronze Sand Castings; Replaced by B143  
**B61-08(2013)** Specification for Steam or Valve Bronze Castings, **02.01**  
**B62-09** Specification for Composition Bronze or Ounce Metal Castings, **02.01**  
**B63-07(2013)** Test Method for Resistivity of Metallically Conducting Resistance and, **02.04**  
**B64** Withdrawn 1952; Specification for Brazing Solder  
**B65** Withdrawn 1938; Specification for Lead Yellow Brass Sand Castings for General Purposes  
**B66-06(2013)<sup>1</sup>** Specification for Bronze Castings for Steam Locomotive Wearing Parts, **02.01**  
**B67-05(2011)** Specification for Car and Tender Journal Bearings, Lined, **02.01**  
**B68M** Withdrawn 2011; Specification for Seamless Copper Tube, Bright Annealed [Metric]  
**B68/B68M-11** Specification for Seamless Copper Tube, Bright Annealed, **02.01**  
**B69-13** Specification for Rolled Zinc, **02.04**  
**B70-90(2013)** Test Method for Change of Resistance With Temperature of Metallic Materials for Electrical Heating, **02.04**  
**B71** Withdrawn 1942; Methods of Testing Chemical Analysis of Nickel-Chromium and Nickel-Chromium-Iron Alloys  
**B72** Withdrawn 1977; Specification for Fire-Refined Casting Copper  
**B73** Withdrawn 1953; Specification for Silver Solders  
**B74** Withdrawn 1941; Specification for High-Leaded Tin-Bronze Sand Castings  
**B75/B75M-11** Specification for Seamless Copper Tube, **02.01**  
**B76-90(2013)** Test Method for Accelerated Life of Nickel-Chromium and Nickel-Chromium-Iron Alloys for Electrical Heating, **02.04**  
**B77-07(2013)** Test Method for Thermoelectric Power of Electrical-Resistance Alloys, **02.04**  
**B78-90(2013)** Test Method of Accelerated Life of Iron-Chromium-Aluminum Alloys for Electrical Heating, **02.04**  
**B79** Withdrawn 1946; Specification for Aluminum and Aluminum Alloy Sheet and Plate; Replaced by B209  
**B80-09** Specification for Magnesium-Alloy Sand Castings, **02.02**  
**B81** Withdrawn 1944; Methods of Chemical Analysis of Silver Solders; Replaced by E56  
**B82** Withdrawn 1959; Specification for Drawn or Rolled Alloy 80 Percent Nickel, 20 Percent Chromium, for Electrical-Heating Elements; Replaced by B344  
**B83** Withdrawn 1959; Specification for Drawn or Rolled Alloy, 60 Percent Nickel, 16 Percent Chromium, and Balance Iron, for Electrical-Heating Elements; Replaced by B344  
**B84-07(2013)** Test Method for Temperature-Resistance Constants of Alloy Wires for Precision Resistors, **02.04**  
**B85/B85M-13** Specification for Aluminum-Alloy Die Castings, **02.02**  
**B86-13** Specification for Zinc and Zinc-Aluminum (ZA) Alloy Foundry and Die Castings, **02.04**  
**B87** Withdrawn 1938; Specification for Hard-Drawn Copper Transmission Cable; Replaced by B8  
**B88-09** Specification for Seamless Copper Water Tube, **02.01**  
**B88M-13** Specification for Seamless Copper Water Tube (Metric), **02.01**  
**B89** Withdrawn 1946; Specification for Aluminum and Aluminum-Alloy Bars, Rods, and Wire; Replaced by B211  
**B90M** Withdrawn 1993; Replaced by B90/B90M  
**B90/B90M-13** Specification for Magnesium-Alloy Sheet and Plate, **02.02**  
**B91-12** Specification for Magnesium-Alloy Forgings, **02.02**  
**B92M** Withdrawn 1990; Replaced by B92/B92M  
**B92/B92M-11** Specification for Unalloyed Magnesium Ingot and Stick For Remelting, **02.02**  
**B93M** Withdrawn 1990; Replaced by B93/B93M  
**B93/B93M-09** Specification for Magnesium Alloys in Ingot Form for Sand Castings, Permanent Mold Castings, and Die Castings, **02.02**  
**B94-13** Specification for Magnesium-Alloy Die Castings, **02.02**  
**B95** Withdrawn 1985; Method of Testing Linear Expansion of Metals; Replaced by E2284  
**B96M** Withdrawn 1999; Replaced by B96/B96M  
**B96/B96M-11** Specification for Copper-Silicon Alloy Plate, Sheet, Strip, and Rolled Bar for General Purposes and Pressure Vessels, **02.01**  
**B97** Withdrawn 1982; Specification for Copper-Silicon Alloy Plate, Sheet, Strip, and Rolled Bar for General Purposes; Combined with B 96  
**B98M** Withdrawn 1998; Replaced by B98/B98M  
**B98/B98M-13** Specification for Copper-Silicon Alloy Rod, Bar and Shapes, **02.01**  
**B99M** Withdrawn 1996; Replaced by B99/B99M  
**B99/B99M-11** Specification for Copper-Silicon Alloy Wire for General Applications, **02.01**  
**B100-13** Specification for Wrought Copper-Alloy Bearing and Expansion Plates and Sheets for Bridge and Other Structural Use, **02.01**  
**B101-12** Specification for Lead-Coated Copper Sheet and Strip for Building Construction, **02.01**

- B102* Withdrawn 2011; Specification for Lead- and Tin-Alloy Die Castings
- B103/B103M-10** Specification for Phosphor Bronze Plate, Sheet, Strip, and Rolled Bar, **02.01**
- B104* Withdrawn 1937; Specification for Seamless Copper-Nickel Alloy Condenser Tubes and Ferrule Stock; Replaced by B111
- B105-05(2012)** Specification for Hard-Drawn Copper Alloy Wires for Electric Conductors, **02.03**
- B106-08(2013)** Test Methods for Flexivity of Thermostat Metals, **02.04**
- B107M* Withdrawn 1992; Replaced by B107/B107M
- B107/B107M-13** Specification for Magnesium-Alloy Extruded Bars, Rods, Profiles, Tubes, and Wire, **02.02**
- B108/B108M-12<sup>1</sup>** Specification for Aluminum-Alloy Permanent Mold Castings, **02.02**
- B109* Withdrawn 1946; Specification for Aluminum and Aluminum Alloy Sheet and Plate; Replaced by B209
- B110* Withdrawn 1982; Method of Testing Dielectric Strength of Anodically Coated Aluminum
- B111M* Withdrawn 2004; Specification for Copper and Copper-Alloy Seamless Condenser Tubes and Ferrule Stock [Metric]
- B111/B111M-11** Specification for Copper and Copper-Alloy Seamless Condenser Tubes and Ferrule Stock, **02.01**
- B112* Withdrawn 1946; Specification for Aluminum-Base Alloys in Ingot Form for Sand Die Castings; Replaced by B179
- B113* Redesignated 1954 - F113; Method for Bend Testing of Wire (Wire for Radio Tubes and Incandescent Lamps)
- B114-07(2013)** Test Method for Temperature-Resistance Constants of Sheet Materials for Shunts and Precision Resistors, **02.04**
- B115-10** Specification for Electrolytic Copper Cathode, **02.01**
- B116-95(2012)** Specification for Figure-9 Deep-Grooved and Figure-8 Copper Trolley Wire for Industrial Haulage, **02.03**
- B117-11** Practice for Operating Salt Spray (Fog) Apparatus, **03.02**
- B118* Withdrawn 1948; Specification for Nickel and Nickel-Alloy Wire and Ribbon for Electronic Tube Filaments
- B119* Withdrawn 1976; Classification of Cast Copper-Base Alloys; Replaced by B30, B584
- B120* Withdrawn 1940; Specification for Copper-Base Alloys in Ingot Form for Sand Casting; Replaced by B30
- B121/B121M-11** Specification for Leaded Brass Plate, Sheet, Strip, and Rolled Bar, **02.01**
- B122/B122M-11** Specification for Copper-Nickel-Tin Alloy, Copper-Nickel-Zinc Alloy (Nickel Silver), and Copper-Nickel Alloy Plate, Sheet, Strip, and Rolled Bar, **02.01**
- B123* Withdrawn 1939; Specification for Copper-Base Alloys in Ingot Form for Sand Castings; Replaced by B30
- B124M* Withdrawn 2000; Replaced by B124/B124M
- B124/B124M-13** Specification for Copper and Copper Alloy Forging Rod, Bar, and Shapes, **02.01**
- B125* Withdrawn 1946; Specification for Aluminum-Base Alloys in Ingot Form for Sand Castings, Die Castings, and Permanent Mold Castings; Replaced by B179
- B126* Withdrawn 1947; Specification for Aluminum-Manganese Alloy Sheet and Plate for Use in Welded Pressure Vessels; Replaced by B209
- B127-05(2009)** Specification for Nickel-Copper Alloy (UNS N04400) Plate, Sheet, and Strip, **02.04**
- B128* Withdrawn 1955; Methods of Testing Sleeves and Tubing for Radio Tube Cathodes
- B129-12** Specification for Cartridge Brass Cartridge Case Cups, **02.01**
- B130-13** Specification for Commercial Bronze Strip for Bullet Jackets, **02.01**
- B131-12** Specification for Copper Alloy Bullet Jacket Cups, **02.01**
- B132* Withdrawn 1973; Specification for Leaded High-Strength Yellow Brass (Manganese Bronze) Sand Castings; Replaced by B584
- B133* Withdrawn 1994; Specification for Copper Rod, Bar, and Shapes; Replaced by B187
- B133M* Withdrawn 1994; Specification for Copper Rod, Bar, and Shapes [Metric]; Replaced by B187M
- B134/B134M-08** Specification for Brass Wire, **02.01**
- B135-10** Specification for Seamless Brass Tube, **02.01**
- B135M-10** Specification for Seamless Brass Tube Metric, **02.01**
- B136-84(2013)** Method for Measurement of Stain Resistance of Anodic Coatings on Aluminum, **02.05**
- B137-95(2009)** Test Method for Measurement of Coating Mass Per Unit Area on Anodically Coated Aluminum, **02.05**
- B138M* Withdrawn 2001; Replaced by B138/B138M
- B138/B138M-11** Specification for Manganese Bronze Rod, Bar, and Shapes, **02.01**
- B139M* Withdrawn 2001; Replaced by B139/B139M
- B139/B139M-12** Specification for Phosphor Bronze Rod, Bar, and Shapes, **02.01**
- B140M* Withdrawn 1997; Replaced by B140/B140M
- B140/B140M-12** Specification for Copper-Zinc-Lead (Red Brass or Hardware Bronze) Rod, Bar, and Shapes, **02.01**
- B141* Withdrawn 1967; Specification for Electrodeposited Coatings of Nickel and Chromium on Copper and Copper-Base Alloys; Replaced by B456
- B142* Withdrawn 1967; Specification for Electrodeposited Coatings of Nickel and Chromium on Zinc and Zinc-Base Alloys; Replaced by B456
- B143* Withdrawn 1973; Specification for Tin-Bronze and Leaded Tin-Bronze Sand Castings; Replaced by B584
- B144* Withdrawn 1973; Specification for High-Leaded Tin-Bronze Sand Castings; Replaced by B584
- B145* Withdrawn 1973; Specification for Leaded Red Brass and Leaded Semi-Red Brass Sand Castings; Replaced by B584
- B146* Withdrawn 1973; Specification for Leaded Yellow Brass Sand Castings for General Purposes; Replaced by B584
- B147* Withdrawn 1973; Specification for High-Strength Yellow Brass (Manganese Bronze) and Leaded High-Strength Yellow Brass (Leaded Manganese Bronze) Sand Castings; Replaced by B584
- B148-97(2009)** Specification for Aluminum-Bronze Sand Castings, **02.01**
- B149* Withdrawn 1973; Specification for Leaded Nickel-Brass (Leaded Nickel-Silver) and Leaded Nickel-Bronze (Leaded Nickel-Silver); Replaced by B584
- B150M* Withdrawn 2002; Replaced by B150/B150M
- B150/B150M-12** Specification for Aluminum Bronze Rod, Bar, and Shapes, **02.01**
- B151M* Withdrawn 2000; Replaced by B151/B151M
- B151/B151M-13** Specification for Copper-Nickel-Zinc Alloy (Nickel Silver) and Copper-Nickel Rod and Bar, **02.01**
- B152M* Withdrawn 2000; Replaced by B152/B152M
- B152/B152M-13** Specification for Copper Sheet, Strip, Plate, and Rolled Bar, **02.01**
- B153-11** Test Method for Expansion (Pin Test) of Copper and Copper-Alloy Pipe and Tubing, **02.01**
- B154-12** Test Method for Mercurous Nitrate Test for Copper Alloys, **02.01**
- B155* Redesignated 1954 - F155; Method of Test for Temper of Strip and Sheet Metals for Electronic Devices (Spring-Back Method)
- B156* Withdrawn 1948; Method of Testing Local Thickness of Electrodeposited Coatings; Replaced by F219
- B157* Withdrawn 1955; Methods of Testing Wire for Supports Used in Electronic Devices and Lamps
- B158* Withdrawn 1942; Specification for Rope-Lay-Stranded Copper Conductors Having Bunch-Stranded Members for Electrical Conductors; Replaced by B172, B173, B174
- B159M* Withdrawn 2001; Replaced by B159/B159M
- B159/B159M-11** Specification for Phosphor Bronze Wire, **02.01**
- B160-05(2009)<sup>1</sup>** Specification for Nickel Rod and Bar, **02.04**
- B161-05(2009)** Specification for Nickel Seamless Pipe and Tube, **02.04**
- B162-99(2009)** Specification for Nickel Plate, Sheet, and Strip, **02.04**
- B163-11<sup>1</sup>** Specification for Seamless Nickel and Nickel Alloy Condenser and Heat-Exchanger Tubes, **02.04**
- B164-03(2008)** Specification for Nickel-Copper Alloy Rod, Bar, and Wire, **02.04**
- B165-05(2009)** Specification for Nickel-Copper Alloy (UNS N04400) Seamless Pipe and Tube, **02.04**
- B166-11** Specification for Nickel-Chromium-Iron Alloys (UNS N06600, N06601, N06603, N06690, N06693, N06025, N06045, and N06696), Nickel-Chromium-Cobalt-Molybdenum Alloy (UNS N06617), and Nickel-Iron-Chromium-Tungsten Alloy (UNS N06674) Rod, Bar, and Wire, **02.04**
- B167-11** Specification for Nickel-Chromium-Iron Alloys (UNS N06600, N06601, N06603, N06690, N06693, N06025, N06045, and N06696), Nickel-Chromium-Cobalt-Molybdenum Alloy (UNS N06617), and Nickel-Iron-Chromium-Tungsten Alloy (UNS N06674) Seamless Pipe and Tube, **02.04**
- B168-11** Specification for Nickel-Chromium-Iron Alloys (UNS N06600, N06601, N06603, N06690, N06693, N06025, N06045, and N06696), Nickel-Chromium-Cobalt-Molybdenum Alloy (UNS N06617), and Nickel-Iron-Chromium-Tungsten Alloy (UNS N06674) Plate, Sheet, and Strip, **02.04**
- B169M* Withdrawn 2001; Replaced by B169/B169M
- B169/B169M-10** Specification for Aluminum Bronze Sheet, Strip, and Rolled Bar, **02.01**
- B170-99(2010)<sup>1</sup>** Specification for Oxygen-Free Electrolytic Copper—Refinery Shapes, **02.01**
- B171M* Withdrawn 1999; Replaced by B171/B171M
- B171/B171M-12** Specification for Copper-Alloy Plate and Sheet for Pressure Vessels, Condensers, and Heat Exchangers, **02.01**
- B172-10** Specification for Rope-Lay-Stranded Copper Conductors Having Bunch-Stranded Members, for Electrical Conductors, **02.03**
- B173-10** Specification for Rope-Lay-Stranded Copper Conductors Having Concentric-Stranded Members, for Electrical Conductors, **02.03**
- B174-10** Specification for Bunch-Stranded Copper Conductors for Electrical Conductors, **02.03**
- B175* Withdrawn 1955; Specification for Round Nickel Wire for Lamps and Electric Devices
- B176-08(2013)** Specification for Copper-Alloy Die Castings, **02.01**
- B177/B177M-11** Guide for Engineering Chromium Electroplating, **02.05**
- B178* Withdrawn 1957; Specification for Aluminum-Alloy Sheet and Plate for Pressure Vessel Application; Replaced by B209
- B179-11<sup>1</sup>** Specification for Aluminum Alloys in Ingot and Molten Forms for Castings from All Casting Processes, **02.02**
- B180* Redesignated 1954 - F180; Method of Test for Density of Fine Wire and Ribbon for Electronic Devices
- B181* Withdrawn 1970; Method of Testing Effect of Controlled Atmospheres Upon Alloys in Electric Furnaces
- B182* Withdrawn 1982; Method for Life Test of Electrical Contact Materials
- B183-79(2009)** Practice for Preparation of Low-Carbon Steel for Electroplating, **02.05**
- B184* Withdrawn 1969; Specification for Aluminum and Aluminum-Alloy Metal Arc-Welding Electrodes
- B185* Withdrawn 1964; Method of Total Immersion Corrosion Test of Non-Ferrous Metals
- B186* Withdrawn 1946; Specification for Special Quality Zinc-Base Alloy Die Castings
- B187M* Withdrawn 2002; Replaced by B187/B187M

- B187/B187M-11** Specification for Copper, Bus Bar, Rod, and Shapes and General Purpose Rod, Bar, and Shapes, **02.01**
- B188-10** Specification for Seamless Copper Bus Pipe and Tube, **02.01**
- B189-05(2010)** Specification for Lead-Coated and Lead-Alloy-Coated Soft Copper Wire for Electrical Purposes, **02.03**
- B190 Withdrawn 1961; Specification for Chromium-Nickel-Iron Alloy Castings (25-12 Class) for High-Temperature Service; Replaced by A447*
- B191 Withdrawn 1956; Method of Testing Equivalent Yield Stress of Thermostat Metals; Replaced by B305*
- B192 Withdrawn 1964; Method of Alternate Immersion Corrosion Testing of Non-Ferrous Metals*
- B193-02(2008)** Test Method for Resistivity of Electrical Conductor Materials, **02.03**
- B194-08** Specification for Copper-Beryllium Alloy Plate, Sheet, Strip, and Rolled Bar, **02.01**
- B195 Withdrawn 1952; Specification for Copper-Beryllium Alloy Plate, Sheet, Strip, and Rolled Bar; Combined with B 194*
- B196M Withdrawn 2001; Replaced by B196/B196M*
- B196/B196M-07(2013)** Specification for Copper-Beryllium Alloy Rod and Bar, **02.01**
- B197M Withdrawn 1998; Replaced by B197/B197M*
- B197/B197M-07(2013)** Specification for Copper-Beryllium Alloy Wire, **02.01**
- B198 Withdrawn 1973; Specification for Silicon Bronze and Silicon Brass Sand Castings; Replaced by B584*
- B199-12** Specification for Magnesium-Alloy Permanent Mold Castings, **02.02**
- B200-85(2009)** Specification for Electrodeposited Coatings of Lead and Lead-Tin Alloys on Steel and Ferrous Alloys, **02.05**
- B201-80(2009)<sup>1</sup>** Practice for Testing Chromate Coatings on Zinc and Cadmium Surfaces, **02.05**
- B202 Withdrawn 1973; Specification for Metal Powder Sintered Bearings (Oil Impregnated); Replaced by B438, B439*
- B203 Withdrawn 1955; Method of Testing Strength of Welded Joints of Lead Wires for Electronic Devices and Lamps*
- B204 Redesignated 1954 - F204; Method of Test for Surface Flaws in Tungsten Seal Rod and Wire*
- B205 Redesignated 1954 - F205; Method of Test for Diameter by Weighing of Fine Wire Used in Electronic Devices and Lamps*
- B206M Withdrawn 1997; Replaced by B206/B206M*
- B206/B206M-12** Specification for Copper-Nickel-Zinc (Nickel Silver) Wire and Copper-Nickel Alloy Wire, **02.01**
- B207 Redesignated A448*
- B208-06** Practice for Preparing Tension Test Specimens for Copper Alloy Sand, Permanent Mold, Centrifugal, and Continuous Castings, **02.01**
- B209-10** Specification for Aluminum and Aluminum-Alloy Sheet and Plate, **02.02**
- B209M-10** Specification for Aluminum and Aluminum-Alloy Sheet and Plate (Metric), **02.02**
- B210-12** Specification for Aluminum and Aluminum-Alloy Drawn Seamless Tubes, **02.02**
- B210M-12** Specification for Aluminum and Aluminum-Alloy Drawn Seamless Tubes (Metric), **02.02**
- B211-12<sup>1</sup>** Specification for Aluminum and Aluminum-Alloy Rolled or Cold Finished Bar, Rod, and Wire, **02.02**
- B211M-12<sup>1</sup>** Specification for Aluminum and Aluminum-Alloy Rolled or Cold-Finished Bar, Rod, and Wire (Metric), **02.02**
- B212-13** Test Method for Apparent Density of Free-Flowing Metal Powders Using the Hall Flowmeter Funnel, **02.05**
- B213-13** Test Methods for Flow Rate of Metal Powders Using the Hall Flowmeter Funnel, **02.05**
- B214-07(2011)** Test Method for Sieve Analysis of Metal Powders, **02.05**
- B215-10** Practices for Sampling Metal Powders, **02.05**
- B216-10** Specification for Tough-Pitch Fire-Refined Copper—Refinery Shapes, **02.01**
- B217 Withdrawn 1965; Specification for Magnesium-Base Alloy Extruded Tubes; Combined with B 107*
- B218 Redesignated 1954 - F218; Method for Measuring Residual Stress In Cylindrical Metal-to-Glass Seals*
- B219 Redesignated 1954 - F219; Methods of Testing Fine Round and Flat Wire for Electronic Devices*
- B220 Withdrawn 1955; Methods of Tension Testing Metallic Materials*
- B221-13** Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes, **02.02**
- B221M-13** Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes (Metric), **02.02**
- B222 Withdrawn 1989; Specification for Sintered Iron-Copper Structural Parts; Replaced by B783*
- B223-08(2013)** Test Method for Modulus of Elasticity of Thermostat Metals (Cantilever Beam Method), **02.04**
- B224-10** Classification of Coppers, **02.01**
- B225 Withdrawn 1969; Specification for Copper and Copper-Alloy Arc-Welding Electrodes*
- B226-11** Specification for Cored, Annular, Concentric-Lay-Stranded Copper Conductors, **02.03**
- B227-10** Specification for Hard-Drawn Copper-Clad Steel Wire, **02.03**
- B228-11a** Specification for Concentric-Lay-Stranded Copper-Clad Steel Conductors, **02.03**
- B229-12** Specification for Concentric-Lay-Stranded Copper and Copper-Clad Steel Composite Conductors, **02.03**
- B230M Withdrawn 1999; Replaced by B230/B230M*
- B230/B230M-07(2012)** Specification for Aluminum 1350–H19 Wire for Electrical Purposes, **02.03**
- B231M Withdrawn 1999; Replaced by B231/B231M*
- B231/B231M-12** Specification for Concentric-Lay-Stranded Aluminum 1350 Conductors, **02.03**
- B232M Withdrawn 1999; Replaced by B232/B232M*
- B232/B232M-11** Specification for Concentric-Lay-Stranded Aluminum Conductors, Coated-Steel Reinforced (ACSR), **02.03**
- B233-97(2012)** Specification for Aluminum 1350 Drawing Stock for Electrical Purposes, **02.03**
- B234-10** Specification for Aluminum and Aluminum-Alloy Drawn Seamless Tubes for Condensers and Heat Exchangers, **02.02**
- B234M-10** Specification for Aluminum and Aluminum-Alloy Drawn Seamless Tubes for Condensers and Heat Exchangers (Metric), **02.02**
- B235 Withdrawn 1963; Specification for Aluminum Alloy Extruded Tubes; Combined with B 221*
- B236-07** Specification for Aluminum Bars for Electrical Purposes (Bus Bars), **02.02**
- B236M-07** Specification for Aluminum Bars for Electrical Purposes (Bus Bars) (Metric), **02.02**
- B237-01(2010)** Specification for Refined Antimony, **02.04**
- B238 Redesignated 1954 - F238; Recommended Practice for Cathode Melt Prove-in Testing*
- B239 Redesignated 1954 - F239; Specification for Circular Cross-Section Nickel Cathode Sleeves for Electronic Devices*
- B240-13** Specification for Zinc and Zinc-Aluminum (ZA) Alloys in Ingot Form for Foundry and Die Castings, **02.04**
- B241M Withdrawn 1987; Replaced by B241/B241M*
- B241/B241M-12<sup>1</sup>** Specification for Aluminum and Aluminum-Alloy Seamless Pipe and Seamless Extruded Tube, **02.02**
- B242-99(2009)** Guide for Preparation of High-Carbon Steel for Electroplating, **02.05**
- B243-13** Terminology of Powder Metallurgy, **02.05**
- B244-09** Test Method for Measurement of Thickness of Anodic Coatings on Aluminum and of Other Nonconductive Coatings on Nonmagnetic Basis Metals with Eddy-Current Instruments, **02.05**
- B245 Withdrawn 1969; Specification for Standard Weight Zinc-Coated (Galvanized) Steel Core Wire for Aluminum Conductors, Steel Reinforced (ACSR); Replaced by B498*
- B246-05(2010)** Specification for Tinned Hard-Drawn and Medium-Hard-Drawn Copper Wire for Electrical Purposes, **02.03**
- B247-09** Specification for Aluminum and Aluminum-Alloy Die Forgings, Hand Forgings, and Rolled Ring Forgings, **02.02**
- B247M-09** Specification for Aluminum and Aluminum-Alloy Die Forgings, Hand Forgings, and Rolled Ring Forgings (Metric), **02.02**
- B248-12** Specification for General Requirements for Wrought Copper and Copper-Alloy Plate, Sheet, Strip, and Rolled Bar, **02.01**
- B248M-12** Specification for General Requirements for Wrought Copper and Copper-Alloy Plate, Sheet, Strip, and Rolled Bar (Metric), **02.01**
- B249M Withdrawn 2000; Replaced by B249/B249M*
- B249/B249M-12** Specification for General Requirements for Wrought Copper and Copper-Alloy Rod, Bar, Shapes and Forgings, **02.01**
- B250M Withdrawn 2001; Replaced by B250/B250M*
- B250/B250M-13** Specification for General Requirements for Wrought Copper Alloy Wire, **02.01**
- B251-10** Specification for General Requirements for Wrought Seamless Copper and Copper-Alloy Tube, **02.01**
- B251M-10** Specification for General Requirements for Wrought Seamless Copper and Copper-Alloy Tube (Metric), **02.01**
- B252-92(2009)** Guide for Preparation of Zinc Alloy Die Castings for Electroplating and Conversion Coatings, **02.05**
- B253-11** Guide for Preparation of Aluminum Alloys for Electroplating, **02.05**
- B254-92(2009)** Practice for Preparation of and Electroplating on Stainless Steel, **02.05**
- B255 Withdrawn 2000; Specification for Sintered Bronze Structural Parts*
- B256 Redesignated 1954 - F256; Specification for 17 % Chromium-Iron Alloy for Sealing to Glass*
- B257 Redesignated 1954 - F257; Specification for 28 % Chromium-Iron Alloy for Sealing to Glass*
- B258-02(2008)** Specification for Standard Nominal Diameters and Cross-Sectional Areas of AWG Sizes of Solid Round Wires Used as Electrical Conductors, **02.03**
- B259 Withdrawn 1969; Specification for Copper and Copper-Alloy Welding Rods*
- B260 Withdrawn 1969; Specification for Brazing Filler Metal*
- B261 Withdrawn 1969; Specification for Zinc-Coated (Galvanized) Steel Core Wire (with Coatings Heavier than Standard Weight) for Aluminum Conductors, Steel Reinforced (ACSR); Replaced by B498*
- B262 Withdrawn 1978; Specification for Aluminum Wire, EC-H16 or -H26, for Electrical Purposes; Replaced by B609*
- B263/B263M-04(2010)<sup>1</sup>** Test Method for Determination of Cross-Sectional Area of Stranded Conductors, **02.03**
- B264 Withdrawn 1955; Specification for Titanium Ingot*
- B265-13a<sup>1</sup>** Specification for Titanium and Titanium Alloy Strip, Sheet, and Plate, **02.04**
- B266 Withdrawn 1955; Specification for Iodide Titanium*
- B267-07(2013)** Specification for Wire for Use In Wire-Wound Resistors, **02.04**
- B268 Redesignated 1954 - F268; Specification for Round Chromium-Copper Wire for Electronic Devices*
- B269 Redesignated 1954 - F269; Method of Test for Sag of Tungsten Wire*

B270 *Redesignated 1954 - F270; Method of Test for Relative Thermionic Emissive Properties of Materials Used in Electron Tubes*

**B271/B271M-11<sup>1</sup>** Specification for Copper-Base Alloy Centrifugal Castings, **02.01**

**B272-12** Specification for Copper Flat Products with Finished (Rolled or Drawn) Edges (Flat Wire and Strip), **02.01**

B273 *Withdrawn 1957; Specification for Aluminum and Aluminum-Alloy Bars, Rods, and Shapes for Pressure Vessel Applications; Replaced by B211, B221, B308/B308M*

B274 *Withdrawn 1957; Specification for Aluminum and Aluminum-Alloy Pipe and Tube for Pressure Vessel Applications; Replaced by B210*

**B275-13<sup>1</sup>** Practice for Codification of Certain Nonferrous Metals and Alloys, Cast and Wrought, **02.04**

**B276-05(2010)** Test Method for Apparent Porosity in Cemented Carbides, **02.05**

**B277-95(2012)** Test Method for Hardness of Electrical Contact Materials, **02.04**

B278 *Redesignated 1954 - F278; Method of Test for Sublimation Characteristics of Metallic Materials by Electrical Resistance*

**B279-13** Test Method for Stiffness of Bare Soft Square and Rectangular Copper and Aluminum Wire for Magnet Wire Fabrication, **02.03**

**B280-13** Specification for Seamless Copper Tube for Air Conditioning and Refrigeration Field Service, **02.01**

**B281-88(2013)** Practice for Preparation of Copper and Copper-Base Alloys for Electroplating and Conversion Coatings, **02.05**

B282 *Withdrawn 2000; Specification for Sintered Brass Structural Parts*

**B283/B283M-12** Specification for Copper and Copper-Alloy Die Forgings (Hot-Pressed), **02.01**

B284 *Withdrawn 1991; Specification for Rosin Flux-Core Solder*

B285 *Withdrawn 1969; Specification for Aluminum and Aluminum-Alloy Welding Rods and Bare Electrodes*

**B286-07(2012)** Specification for Copper Conductors for Use in Hookup Wire for Electronic Equipment, **02.03**

B287 *Withdrawn 1988; Method of Acetic Acid-Salt Spray (Fog) Testing*

B288 *Redesignated 1954 - F288; Specification for Tungsten Wire under 20 mils in Diameter*

B289 *Redesignated 1954 - F289; Specification for Molybdenum Wire under 20 mils in Diameter*

B290 *Redesignated 1954 - F290; Specification for Round Wire for Use as Electron Tube Grid Laterals and Verticals*

B291 *Withdrawn 1992; Specification for Copper-Zinc-Manganese Alloy (Manganese Brass) Sheet and Strip*

B292 *Withdrawn 1973; Specification for Nickel-Tin Bronze Castings; Replaced by B584*

B293 *Withdrawn 1985; Method of Subsieve Analysis of Granular Metal Powders by Air Classification*

**B294-10** Test Method for Hardness Testing of Cemented Carbides, **02.05**

B295 *Withdrawn 1969; Specification for Nickel and Nickel-Alloy Covered Welding Electrodes*

**B296-03(2014)** Practice for Temper Designations of Magnesium Alloys, Cast and Wrought, **02.02**

B297 *Withdrawn 1969; Specification for Tungsten Arc-Welding Electrodes*

**B298-12** Specification for Silver-Coated Soft or Annealed Copper Wire, **02.03**

**B299-13** Specification for Titanium Sponge, **02.04**

B300 *Redesignated 1054 - F300; Test Method for Interface Impedance Characteristics of Tube Cathodes*

B301M *Withdrawn 1999; Replaced by B301/B301M*

**B301/B301M-13** Specification for Free-Cutting Copper Rod, Bar, Wire, and Shapes, **02.01**

**B302-12** Specification for Threadless Copper Pipe, Standard Sizes, **02.01**

B303 *Withdrawn 1990; Specification for Copper-Infiltrated Sintered Carbon Steel Structural Parts; Replaced by B783*

B304 *Withdrawn 1969; Specification for Nickel and Nickel-Alloy Bare Welding Rods and Electrodes*

B305 *Withdrawn 1986; Test Method for Maximum Loading Stress at Temperature of Thermostat Metals (Cantilever Beam Method)*

**B306-13** Specification for Copper Drainage Tube (DWV), **02.01**

B307 *Withdrawn 1968; Specification for Aluminum-Alloy Drawn Seamless Coiled Tubes for Special Purpose Applications; Replaced by B210*

B308M *Withdrawn 1991; Replaced by B308/B308M*

**B308/B308M-10** Specification for Aluminum-Alloy 6061-T6 Standard Structural Profiles, **02.02**

B309 *Withdrawn 1964; Specification for High Density Iron, Sintered Metal Powder Structural Parts; Combined with B 310*

B310 *Withdrawn 1990; Specification for Sintered Carbon Steel Structural Parts; Replaced by B783*

**B311-13** Test Method for Density of Powder Metallurgy (PM) Materials Containing Less Than Two Percent Porosity, **02.05**

**B312-09** Test Method for Green Strength of Specimens Compacted from Metal Powders, **02.05**

B313M *Withdrawn 1991; Replaced by B313/B313M*

**B313/B313M-09** Specification for Aluminum and Aluminum-Alloy Round Welded Tubes, **02.02**

B314 *Withdrawn 1994; Specification for Aluminum 1350 Wire for Communication Cable*

**B315-12** Specification for Seamless Copper Alloy Pipe and Tube, **02.01**

B316M *Withdrawn 1993; Replaced by B316/B316M*

**B316/B316M-10** Specification for Aluminum and Aluminum-Alloy Rivet and Cold-Heading Wire and Rods, **02.02**

**B317/B317M-07** Specification for Aluminum-Alloy Extruded Bar, Rod, Tube,

Pipe, Structural Profiles, and Profiles for Electrical Purposes (Bus Conductor), **02.02**

B318 *Withdrawn 1963; Specification for Type A and Type B Aluminum-Alloy Drawn Annealed Seamless Coiled Tubes; Combined with B 307*

**B319-91(2009)** Guide for Preparation of Lead and Lead Alloys for Electroplating, **02.05**

**B320-60(2013)** Practice for Preparation of Iron Castings for Electroplating, **02.05**

B321 *Withdrawn 1963; Recommended Practice for Dimension Standards for Projection Welding Contacts*

**B322-99(2009)** Guide for Cleaning Metals Prior to Electroplating, **02.05**

B323 *Withdrawn 1990; Specification for Aluminum Wire, EC-H14 or -H24, for Electrical Purposes; Replaced by B609*

**B324-01(2012)** Specification for Aluminum Rectangular and Square Wire for Electrical Purposes, **02.03**

B325 *Withdrawn 1965; Specification for Refined Secondary Lead*

B326 *Withdrawn 1991; Test Method for Resistance Characteristics of Microcontacts*

**B327-13a** Specification for Master Alloys Used in Making Zinc Die Casting Alloys, **02.04**

B328 *Withdrawn 2009; Test Method for Density, Oil Content, and Interconnected Porosity of Sintered Metal Structural Parts and Oil-Impregnated Bearings; Replaced by B962 and B963*

**B329-06(2012)** Test Method for Apparent Density of Metal Powders and Compounds Using the Scott Volumeter, **02.05**

**B330-12** Test Methods for Estimating Average Particle Size of Metal Powders and Related Compounds Using Air Permeability, **02.05**

**B331-10** Test Method for Compressibility of Metal Powders in Uniaxial Compaction, **02.05**

B332 *Redesignated 1962 - A494; Specification for Nickel-Molybdenum and Nickel-Molybdenum-Chromium Alloy Castings*

**B333-03(2013)** Specification for Nickel-Molybdenum Alloy Plate, Sheet, and Strip, **02.04**

B334 *Withdrawn 1980; Specification for Nickel-Molybdenum-Chromium Alloy (UNS N10002) Plate and Sheet*

**B335-03(2013)** Specification for Nickel-Molybdenum Alloy Rod, **02.04**

B336 *Withdrawn 1980; Specification for Nickel-Molybdenum-Chromium Alloy (UNS N10002) Rod*

B337 *Withdrawn 1997; Specification for Seamless and Welded Titanium and Titanium Alloy Pipe; Replaced by B861 and B862*

**B338-14** Specification for Seamless and Welded Titanium and Titanium Alloy Tubes for Condensers and Heat Exchangers, **02.04**

**B339-12** Specification for Pig Tin, **02.04**

B340 *Withdrawn 1991; Test Method for Surety of Make of Electrical Contact Materials*

B341/B341M *Withdrawn 2007; Specification for Aluminum-Coated (Aluminized) Steel Core Wire for Aluminum Conductors, Steel Reinforced (ACSR/AZ)*

B342 *Withdrawn 1985; Test Method for Electrical Conductivity by Use of Eddy Currents; Replaced by E1004*

**B343-92a(2009)** Practice for Preparation of Nickel for Electroplating with Nickel, **02.05**

**B344-11** Specification for Drawn or Rolled Nickel-Chromium and Nickel-Chromium-Iron Alloys for Electrical Heating Elements, **02.04**

B345M *Withdrawn 1998—Combined with B 345*

**B345/B345M-11** Specification for Aluminum and Aluminum-Alloy Seamless Pipe and Seamless Extruded Tube for Gas and Oil Transmission and Distribution Piping Systems, **02.02**

B346 *Withdrawn 1966; Specification for Machinable High-Density Tungsten-Nickel-Copper Alloys*

B347 *Withdrawn 1992; Test Method for Hardness of Sintered Metal Friction Materials*

**B348-13** Specification for Titanium and Titanium Alloy Bars and Billets, **02.04**

**B349/B349M-09** Specification for Zirconium Sponge and Other Forms of Virgin Metal for Nuclear Application, **02.04**

**B350/B350M-11** Specification for Zirconium and Zirconium Alloy Ingots for Nuclear Application, **02.04**

**B351/B351M-13** Specification for Hot-Rolled and Cold-Finished Zirconium and Zirconium Alloy Bars, Rod, and Wire for Nuclear Application, **02.04**

**B352/B352M-11** Specification for Zirconium and Zirconium Alloy Sheet, Strip, and Plate for Nuclear Application, **02.04**

**B353-12** Specification for Wrought Zirconium and Zirconium Alloy Seamless and Welded Tubes for Nuclear Service (Except Nuclear Fuel Cladding), **02.04**

**B354-12** Terminology Relating to Uninsulated Metallic Electrical Conductors, **02.03**

**B355-11** Specification for Nickel-Coated Soft or Annealed Copper Wire, **02.03**

B356 *Withdrawn 1976; Specification for Zirconium and Zirconium Alloy Forgings and Extrusions for Nuclear Application*

B357 *Withdrawn 1987; Specification for Remelted Lithium Metal in Ingot Form*

B358 *Withdrawn 1980; Specification for Copper-Nickel Addition Alloy; Replaced by B644*

B359M *Withdrawn 2002; Replaced by B359/B359M*

**B359/B359M-12<sup>1</sup>** Specification for Copper and Copper-Alloy Seamless Condenser and Heat Exchanger Tubes With Integral Fins, **02.01**

**B360-09** Specification for Hard-Drawn Copper Capillary Tube for Restrictor Applications, **02.01**

**B361-08** Specification for Factory-Made Wrought Aluminum and Aluminum-Alloy Welding Fittings, **02.02**

**B362-91(2008)** Test Method for Mechanical Torque Rate of Spiral Coils of Thermostat Metal, **02.04**



**B363-06a** Specification for Seamless and Welded Unalloyed Titanium and Titanium Alloy Welding Fittings, **02.04**

**B364-96(2009)** Specification for Tantalum and Tantalum Alloy Ingots, **02.04**

**B365-12** Specification for Tantalum and Tantalum Alloy Rod and Wire, **02.04**

**B366-10a** Specification for Factory-Made Wrought Nickel and Nickel Alloy Fittings, **02.04**

**B367-13** Specification for Titanium and Titanium Alloy Castings, **02.04**

**B368-09** Test Method for Copper-Accelerated Acetic Acid-Salt Spray (Fog) Testing (CASS Test), **02.05**

**B369-09** Specification for Copper-Nickel Alloy Castings, **02.01**

**B370-12** Specification for Copper Sheet and Strip for Building Construction, **02.01**

**B371/B371M-08(2013)** Specification for Copper-Zinc-Silicon Alloy Rod, **02.01**

**B372-12a** Specification for Seamless Copper and Copper-Alloy Rectangular Waveguide Tube, **02.01**

**B373-00(2006)** Specification for Aluminum Foil for Capacitors, **02.02**

**B374-06(2011)** Terminology Relating to Electroplating, **02.05**

*B375 Withdrawn 1967; Specification for Electrodeposited Coatings of Multi-Layer Nickel Plus Chromium on Steel; Replaced by B456*

*B376 Withdrawn 1992; Test Method for Density of Sintered Metal Friction Materials*

*B377 Withdrawn 1972; Specification for Steel Backed Metal Powder Bearing and Bushing Alloys*

*B378 Withdrawn 1992; Test Method for Transverse Rupture Strength of Sintered Metal Friction Materials*

**B379-11** Specification for Phosphorized Coppers—Refinery Shapes, **02.01**

**B380-97(2013)** Test Method for Corrosion Testing of Decorative Electrodeposited Coatings by the Corrodokote Procedure, **02.05**

**B381-13** Specification for Titanium and Titanium Alloy Forgings, **02.04**

*B382 Withdrawn 1969; Specification for Titanium and Titanium Alloy Bare Welding Rods and Electrodes*

*B383 Withdrawn 1980; Specification for Primary Niobium*

*B384 Withdrawn 1986; Specification for Molybdenum and Molybdenum Alloy Forgings*

*B385 Withdrawn 1986; Specification for Molybdenum and Molybdenum Alloy Billets for Reforging*

**B386-03(2011)** Specification for Molybdenum and Molybdenum Alloy Plate, Sheet, Strip, and Foil, **02.04**

**B387-10** Specification for Molybdenum and Molybdenum Alloy Bar, Rod, and Wire, **02.04**

**B388-06(2012)** Specification for Thermostat Metal Sheet and Strip, **02.04**

**B389-81(2008)** Test Method for Thermal Deflection Rate of Spiral and Helical Coils of Thermostat Metal, **02.04**

*B390 Withdrawn 2010; Practice for Evaluating Apparent Grain Size and Distribution of Cemented Tungsten Carbides*

**B391-09<sup>-1</sup>** Specification for Niobium and Niobium Alloy Ingots, **02.04**

**B392-09<sup>-1</sup>** Specification for Niobium and Niobium Alloy Bar, Rod, and Wire, **02.04**

**B393-09<sup>-1</sup>** Specification for Niobium and Niobium Alloy Strip, Sheet, and Plate, **02.04**

**B394-09<sup>-1</sup>** Specification for Niobium and Niobium Alloy Seamless and Welded Tubes, **02.04**

*B395M Withdrawn 2002; Replaced by B395/B395M*

**B395/B395M-13** Specification for U-Bend Seamless Copper and Copper Alloy Heat Exchanger and Condenser Tubes, **02.01**

*B396 Withdrawn 2003; Specification for Aluminum-Alloy 5005-H19 Wire for Electrical Purposes*

*B397 Withdrawn 2003; Specification for Concentric-Lay-Stranded Aluminum-Alloy 5005-H19 Conductors*

*B398M Withdrawn 1999; Replaced by B398/B398M*

**B398/B398M-02(2013)** Specification for Aluminum-Alloy 6201-T81 Wire for Electrical Purposes, **02.03**

*B399M Withdrawn 1999; Replaced by B399/B399M*

**B399/B399M-04(2010)** Specification for Concentric-Lay-Stranded Aluminum-Alloy 6201-T81 Conductors, **02.03**

**B400/B400M-14** Specification for Compact Round Concentric-Lay-Stranded Aluminum 1350 Conductors, **02.03**

**B401-12** Specification for Compact Round Concentric-Lay-Stranded Aluminum Conductors, Steel-Reinforced (ACSR/COMP), **02.03**

*B402 Withdrawn 1987; Specification for Copper-Nickel Alloy Plate and Sheet for Pressure Vessels; Replaced by B171*

*B402M Withdrawn 1987; Specification for Copper-Nickel Alloy Plate and Sheet for Pressure Vessels [Metric]; Replaced by B171M*

**B403-12** Specification for Magnesium-Alloy Investment Castings, **02.02**

*B404M Withdrawn 1998—Combined with B 404*

*B404/B404M Withdrawn 2006; Specification for Aluminum and Aluminum-Alloy Seamless Condenser and Heat-Exchanger Tubes with Integral Fins*

*B405 Withdrawn 1967; Specification for Electrodeposited Coatings of Multi-Layer Nickel Plus Chromium on Zinc and Zinc-Base Alloys; Replaced by B456*

**B406-96(2010)** Test Method for Transverse Rupture Strength of Cemented Carbides, **02.05**

**B407-08a** Specification for Nickel-Iron-Chromium Alloy Seamless Pipe and Tube, **02.04**

**B408-06(2011)** Specification for Nickel-Iron-Chromium Alloy Rod and Bar, **02.04**

**B409-06(2011)** Specification for Nickel-Iron-Chromium Alloy Plate, Sheet, and Strip, **02.04**

*B410 Withdrawn 1980; Specification for Unalloyed Sintered Tungsten Billets, Bars, Rods, and Performs for Forging*

**B411/B411M-08** Specification for Copper-Nickel-Silicon Alloy Rod and Bar, **02.01**

*B412 Withdrawn 2000; Specification for Copper-Nickel-Silicon Alloy Wire*

**B413-97a(2012)** Specification for Refined Silver, **02.04**

*B414 Withdrawn 1975; Specification for Primary Hafnium Metal Sponge and Other Forms*

**B415-98(2013)** Specification for Hard-Drawn Aluminum-Clad Steel Wire, **02.03**

**B416-98(2013)** Specification for Concentric-Lay-Stranded Aluminum-Clad Steel Conductors, **02.03**

**B417-13** Test Method for Apparent Density of Non-Free-Flowing Metal Powders Using the Carney Funnel, **02.05**

**B418-12** Specification for Cast and Wrought Galvanic Zinc Anodes, **02.04**

*B419 Withdrawn 1972; Specification for Unalloyed Uranium Castings*

*B420 Withdrawn 1972; Specification for Unalloyed Uranium Melting Stock*

*B421 Withdrawn 1989; Test Method for Electrical Resistivity of Cemented Tungsten Carbides*

**B422/B422M-10<sup>-1</sup>** Specification for Copper-Aluminum-Silicon-Cobalt Alloy, Copper-Nickel-Silicon-Magnesium Alloy, Copper-Nickel-Silicon Alloy, Copper-Nickel-Aluminum-Magnesium Alloy, and Copper-Nickel-Tin Alloy Sheet and Strip, **02.01**

**B423-11** Specification for Nickel-Iron-Chromium-Molybdenum-Copper Alloy, **02.04**

**B424-11** Specification for Ni-Fe-Cr-Mo-Cu Alloy (UNS N08825, UNS N08221, and UNS N06845) Plate, Sheet, and Strip, **02.04**

**B425-11** Specification for Specification for Ni-Fe-Cr-Mo-Cu Alloy (UNS N08825, UNS N08221, and UNS N06845) Rod and Bar, **02.04**

*B426 Withdrawn 1990; Specification for Sintered Copper-Steel Structural Parts; Replaced by B783*

**B427-09** Specification for Gear Bronze Alloy Castings, **02.01**

**B428-09(2013)** Test Method for Angle of Twist in Rectangular and Square Copper and Copper Alloy Tube, **02.01**

**B429/B429M-10<sup>-1</sup>** Specification for Aluminum-Alloy Extruded Structural Pipe and Tube, **02.02**

*B430 Withdrawn 2011; Test Method for Particle Size Distribution of Refractory Metal Powders and Related Compounds by Turbidimetry*

*B431 Withdrawn 1993; Practice for Processing of Mandrels for Electroforming; Replaced by B832*

**B432-09a** Specification for Copper and Copper Alloy Clad Steel Plate, **02.01**

*B433 Withdrawn 1976; Specification for Copper-Nickel Alloys in Ingot Form for Castings; Replaced by B30*

**B434-06(2011)** Specification for Nickel-Molybdenum-Chromium-Iron Alloys (UNS N10003, UNS N10242) Plate, Sheet, and Strip, **02.04**

**B435-06(2011)<sup>-1</sup>** Specification for UNS N06002, UNS N06230, UNS N12160, and UNS R30556 Plate, Sheet, and Strip, **02.04**

*B436 Withdrawn 1980; Specification for Nickel-Chromium-Molybdenum-Iron-Columbium Alloy (UNS N06001) Sheet and Plate*

*B437 Withdrawn 1981; Method for Tension Testing of Cemented Carbides*

**B438-13** Specification for Bronze-Base Powder Metallurgy (PM) Bearings (Oil-Impregnated), **02.05**

*B438M Withdrawn 1998; Replaced by B438/B438M*

**B439-12** Specification for Iron-Base Powder Metallurgy (PM) Bearings (Oil-Impregnated), **02.05**

**B440-12** Specification for Cadmium, **02.04**

**B441-04(2010)** Specification for Copper-Cobalt-Beryllium, Copper-Nickel-Beryllium, and Copper-Nickel-Lead-Beryllium Rod and Bar (UNS Nos. C17500, C17510, and C17465), **02.01**

*B442 Withdrawn 1993; Specification for Tough-Pitch Chemically Refined Copper Refinery Shapes*

**B443-00(2009)** Specification for Nickel-Chromium-Molybdenum-Columbium Alloy, **02.04**

**B444-06(2011)** Specification for Nickel-Chromium-Molybdenum-Columbium Alloys, **02.04**

*B445 Withdrawn 1995; Specification for Nickel-Chromium-Iron-Columbium-Molybdenum-Tungsten Alloy (UNS N06102) Seamless Pipe and Tube*

**B446-03(2008)<sup>-1</sup>** Specification for Nickel-Chromium-Molybdenum-Columbium Alloy (UNS N06625), Nickel-Chromium-Molybdenum-Silicon Alloy (UNS N06219), and Nickel-Chromium-Molybdenum-Tungsten Alloy (UNS N06650) Rod and Bar, **02.04**

**B447-12a** Specification for Welded Copper Tube, **02.01**

*B448 Withdrawn 1969; Specification for Magnesium-Alloy Welding Rods and Bare Electrodes*

**B449-93(2010)<sup>-1</sup>** Specification for Chromates on Aluminum, **02.05**

*B450 Withdrawn 1993; Practice for Engineering Design of Electroformed Articles; Replaced by B832*

*B451 Withdrawn 1998; Specification for Copper Foil, Strip, and Sheet for Printed Circuits and Carrier Tapes*

**B452-09** Specification for Copper-Clad Steel Wire for Electronic Application, **02.03**

*B453M Withdrawn 2001; Replaced by B453/B453M*

**B453/B453M-11<sup>-1</sup>** Specification for Copper-Zinc-Lead Alloy (Leaded-Brass) Rod, Bar, and Shapes, **02.01**

*B454 Withdrawn 1982; Specification for Mechanically Deposited Coatings of Cadmium and Zinc on Ferrous Metals; Replaced by B695, B696*

**B455-10** Specification for Copper-Zinc-Lead Alloy (Leaded-Brass) Extruded Shapes, **02.01**

**B456-11<sup>-1</sup>** Specification for Electrodeposited Coatings of Copper Plus Nickel Plus, **02.05**

**B457-67(2013)** Test Method for Measurement of Impedance of Anodic Coatings on Aluminum, **02.05**

*B458 Withdrawn 2000; Specification for Sintered Nickel Silver Structural Parts*

*B459 Withdrawn 1992; Test Method for Dynamic Coefficient of Friction and Wear of Sintered Metal Friction Materials Under Dry Conditions*

*B460 Withdrawn 1992; Test Method for Dynamic Coefficient of Friction and Wear of Sintered Metal Friction Materials Under Dry Conditions*

*B461 Withdrawn 1992; Test Method for Frictional Characteristics of Sintered Metal Friction Materials Run in Lubricants*

**B462-10<sup>-2</sup>** Specification for Forged or Rolled UNS N06030, UNS N06022, UNS N06035, UNS N06200, UNS N06059, UNS N10362, UNS N06686, UNS N08020, UNS N08024, UNS N08026, UNS N08367, UNS N10276, UNS N10665, UNS N10675, UNS N10629, UNS N08031, UNS N06045, UNS N06025, UNS R20033 Alloy Pipe Flanges, Forged Fittings, and Valves and Parts for Corrosive High-Temperature Service, **02.04**

**B463-10** Specification for UNS N08020 Alloy Plate, Sheet, and Strip, **02.04**

**B464-10** Specification for Welded UNS N08020 Alloy Pipe, **02.04**

**B465-11** Specification for Copper-Iron Alloy Plate, Sheet, Strip, and Rolled Bar, **02.01**

*B466M Withdrawn 1998; Replaced by B466/B466M*

**B466/B466M-09** Specification for Seamless Copper-Nickel Pipe and Tube, **02.01**

**B467-09** Specification for Welded Copper-Nickel Pipe, **02.01**

**B468-10** Specification for Welded UNS N08020 Alloy Tubes, **02.04**

*B469 Withdrawn 2000; Specification for Seamless Copper-Alloy Tubes for Pressure Applications*

**B470-02(2012)** Specification for Bonded Copper Conductors for Use in Hookup Wires for Electronic Equipment, **02.03**

*B471 Withdrawn 1999; Specification for UNS N08020, UNS N08026, and UNS N08024 Nickel Alloy Spring Wire*

**B472-10** Specification for Nickel Alloy Billets and Bars for Reforging, **02.04**

**B473-07(2013)** Specification for UNS N08020, UNS N08024, and UNS N08026 Nickel Alloy Bar and Wire, **02.04**

**B474-03(2009)** Specification for Electric Fusion Welded Nickel and Nickel Alloy Pipe, **02.04**

**B475-07(2013)** Specification for UNS N08020, UNS N08024, and UNS N08026 Nickel Alloy Round Weaving Wire, **02.04**

**B476-01(2012)** Specification for General Requirements for Wrought Precious Metal Electrical Contact Materials, **02.04**

**B477-97(2012)** Specification for Gold-Silver-Nickel Electrical Contact Alloy, **02.04**

**B478-85(2008)** Test Method for Cross Curvature of Thermostat Metals, **02.04**

**B479-06** Specification for Annealed Aluminum and Aluminum-Alloy Foil for Flexible Barrier, Food Contact, and Other Applications, **02.02**

**B480-88(2010)** Guide for Preparation of Magnesium and Magnesium Alloys for Electroplating, **02.05**

**B481-68(2013)** Practice for Preparation of Titanium and Titanium Alloys, **02.05**

**B482-85(2013)** Practice for Preparation of Tungsten and Tungsten Alloys for Electroplating, **02.05**

**B483/B483M-13<sup>-1</sup>** Specification for Aluminum and Aluminum-Alloy Drawn Tube and Drawn Pipe for General Purpose Applications, **02.02**

*B484 Withdrawn 1990; Specification for Sintered Nickel Steel Structural Parts; Replaced by B783*

*B485 Withdrawn 1984; Method for Diametral Compression Testing of Cemented Carbides*

*B486 Withdrawn 1991; Specification for Paste Solder*

**B487-85(2013)** Test Method for Measurement of Metal and Oxide Coating Thickness by Microscopical Examination of Cross Section, **02.05**

**B488-11** Specification for Electrodeposited Coatings of Gold for Engineering Uses, **02.05**

**B489-85(2013)** Practice for Bend Test for Ductility of Electrodeposited and Autocatalytically Deposited Metal Coatings on Metals, **02.05**

**B490-09** Practice for Micrometer Bend Test for Ductility of Electrodeposits, **02.05**

*B491M Withdrawn 1991; Replaced by B491/B491M*

**B491/B491M-06** Specification for Aluminum and Aluminum-Alloy Extruded Round Tubes for General-Purpose Applications, **02.02**

*B492 Withdrawn 1990; Specification for Cast Copper-Nickel Ship Tailshaft Sleeves*

**B493/B493M-08<sup>-1</sup>** Specification for Zirconium and Zirconium Alloy Forgings, **02.04**

**B494/B494M-08** Specification for Primary Zirconium, **02.04**

**B495-10** Specification for Zirconium and Zirconium Alloy Ingots, **02.04**

**B496-13a** Specification for Compact Round Concentric-Lay-Stranded Copper Conductors, **02.03**

**B497-00(2012)** Guide for Measuring Voltage Drop on Closed Arcing Contacts, **02.04**

*B498M Withdrawn 1998; Replaced by B498/B498M*

**B498/B498M-08** Specification for Zinc-Coated (Galvanized) Steel Core Wire for Use in Overhead Electrical Conductors, **02.03**

**B499-09** Test Method for Measurement of Coating Thicknesses by the Magnetic Method: Nonmagnetic Coatings on Magnetic Basis Metals, **02.05**

*B500M Withdrawn 1998; Replaced by B500/B500M*

**B500/B500M-12** Specification for Metallic Coated or Aluminum Clad Stranded Steel Core for Use in Overhead Electrical Conductors, **02.03**

**B501-10** Specification for Silver-Coated, Copper-Clad Steel Wire for Electronic Application, **02.03**

**B502/B502M-10<sup>-1</sup>** Specification for Aluminum-Clad Steel Core Wire for Use in Overhead Electrical Aluminum Conductors, **02.03**

*B503 Withdrawn 1992; Practice for Use of Copper And Nickel Electroplating Solutions for Electroforming; Replaced by B 832*

**B504-90(2011)** Test Method for Measurement of Thickness of Metallic

Coatings by the Coulometric Method, **02.05**

**B505/B505M-12a** Specification for Copper Alloy Continuous Castings, **02.01**

**B506-09** Specification for Copper-Clad Stainless Steel Sheet and Strip for Building Construction, **02.01**

**B507-86(2008)<sup>-1</sup>** Practice for Design of Articles to Be Electroplated on Racks, **02.05**

**B508-08** Specification for Copper Alloy Strip for Flexible Metal Hose, **02.01**

*B509 Withdrawn 1991; Specification for Supplementary Requirements for Nickel Alloy Plate for Nuclear Applications*

*B510 Withdrawn 1991; Specification for Supplementary Requirements for Nickel Alloy Rod and Bar for Nuclear Applications*

**B511-01(2009)** Specification for Nickel-Iron-Chromium-Silicon Alloy Bars and Shapes, **02.04**

**B512-04(2009)** Specification for Nickel-Chromium-Silicon Alloy (UNS N08330) Billets and Bars, **02.04**

*B513 Withdrawn 1991; Specification for Supplementary Requirements for Nickel Alloy Seamless Pipe for Nuclear Applications*

**B514-05(2009)** Specification for Welded Nickel-Iron-Chromium Alloy Pipe, **02.04**

**B515-95(2009)** Specification for Welded UNS N08120, UNS N08800, UNS N08810, and UNS N08811 Alloy Tubes, **02.04**

**B516-03(2009)** Specification for Welded Nickel-Chromium-Iron Alloy (UNS N06600, UNS N06603, UNS N06025, and UNS N06045) Tubes, **02.04**

**B517-05(2009)** Specification for Welded Nickel-Chromium-Iron-Alloy (UNS N06600, UNS N06603, UNS N06025, and UNS N06045) Pipe, **02.04**

*B518 Withdrawn 1995; Specification for Nickel-Chromium-Iron-Columbium-Molybdenum-Tungsten Alloy (UNS N06102) Rod and Bar*

*B519 Withdrawn 1995; Specification for Nickel-Chromium-Iron-Columbium-Molybdenum-Tungsten Alloy (UNS N06102) Seamless Plate, Sheet, and Strip*

**B520-12** Specification for Tin-Coated, Copper-Clad Steel Wire for Electronic, **02.03**

**B521-12** Specification for Tantalum and Tantalum Alloy Seamless and Welded Tubes, **02.04**

**B522-01(2012)** Specification for Gold-Silver-Platinum Electrical Contact Alloy, **02.04**

**B523/B523M-12a** Specification for Seamless and Welded Zirconium and Zirconium Alloy Tubes, **02.04**

*B524M Withdrawn 1999; Replaced by B524/B524M*

**B524/B524M-99(2011)** Specification for Concentric-Lay-Stranded Aluminum Conductors, Aluminum-Alloy Reinforced (ACAR, 1350/6201), **02.03**

*B525 Withdrawn 1990; Specification for Sintered Austenitic Stainless Steel Structural Parts; Replaced by B783*

*B526 Withdrawn 1992; Test Method for Coefficient of Friction and Wear of Sintered Metal Friction Materials Under Dry-Clutch Conditions*

**B527-06** Test Method for Determination of Tap Density of Metallic Powders and Compounds, **02.05**

**B528-12** Test Method for Transverse Rupture Strength of Powder Metallurgy (PM) Specimens, **02.05**

*B529 Withdrawn 1979; Test Method for Measurement of Coating Thickness by the Eddy Current Test Method: Non-Conductive Coating on Nonmagnetic Basis Metals; Replaced by B244*

**B530-09** Test Method for Measurement of Coating Thicknesses by the Magnetic Method: Electrodeposited Nickel Coatings on Magnetic and Nonmagnetic Substrates, **02.05**

*B531 Withdrawn 2003; Specification for Aluminum-Alloy 5005 Drawing Stock for Electrical Purposes*

**B532-85(2007)** Specification for Appearance of Electroplated Plastic Surfaces, **02.05**

**B533-85(2013)** Test Method for Peel Strength of Metal Electroplated Plastics, **02.05**

**B534-12** Specification for Copper-Cobalt-Beryllium Alloy and Copper-Nickel-Beryllium Alloy Plate, Sheet, Strip, and Rolled Bar, **02.01**

**B535-06(2011)** Specification for Nickel-Iron-Chromium-Silicon Alloys (UNS N08330 and N08332) Seamless Pipe and Tube, **02.04**

**B536-07(2013)** Specification for Nickel-Iron-Chromium-Silicon Alloys (UNS N08330 and N08332) Plate, Sheet, and Strip, **02.04**

**B537-70(2013)** Practice for Rating of Electroplated Panels Subjected to, **02.05**

*B538 Withdrawn 1987; Method of FACT (Ford Anodized Aluminum Corrosion) Test)*

**B539-02(2013)** Test Methods for Measuring Resistance of Electrical Connections (Static Contacts), **02.04**

**B540-97(2012)** Specification for Palladium Electrical Contact Alloy, **02.04**

**B541-01(2012)** Specification for Gold Electrical Contact Alloy, **02.04**

**B542-13** Terminology Relating to Electrical Contacts and Their Use, **02.04**

*B543M Withdrawn 2000; Specification for Welded Copper and Copper-Alloy Heat Exchanger Tube [Metric]*

**B543/B543M-12** Specification for Welded Copper and Copper-Alloy Heat Exchanger Tube, **02.01**

*B544 Withdrawn 1978; Specification for Round Solid EC Grade Aluminum Conductor; Replaced by B609*

**B545-13** Specification for Electrodeposited Coatings of Tin, **02.05**

**B546-04(2009)** Specification for Electric Fusion-Welded Ni-Cr-Co-Mo Alloy (UNS N06617), Ni-Fe-Cr-Si Alloys (UNS N08330 and UNS N08332), Ni-Cr-Fe-Al Alloy (UNS N06603), Ni-Cr-Fe Alloy (UNS N06025), and Ni-Cr-Fe-Si Alloy (UNS N06045) Pipe, **02.04**

**B547/B547M-10** Specification for Aluminum and Aluminum-Alloy Formed and Arc-Welded Round Tube, **02.02**

**B548-03(2009)** Test Method for Ultrasonic Inspection of Aluminum-Alloy Plate for Pressure Vessels, **02.02**

- B549-13** Specification for Concentric-Lay-Stranded Aluminum Conductors, Aluminum-Clad Steel Reinforced for Use in Overhead Electrical Conductors, **02.03**
- B550/B550M-07(2012)** Specification for Zirconium and Zirconium Alloy Bar and Wire, **02.04**
- B551/B551M-12** Specification for Zirconium and Zirconium Alloy Strip, Sheet, and Plate, **02.04**
- B552-12** Specification for Seamless and Welded Copper-Nickel Tubes for Water Desalting Plants, **02.01**
- B553 Withdrawn 1992; Test Method for Thermal Cycling of Electroplated Plastics*
- B554 Withdrawn 1987; Recommended Practice for Measurement of Thickness of Metallic Coatings on Nonmetallic Substrates; Replaced by B659*
- B555-86(2013)** Guide for Measurement of Electrodeposited Metallic Coating Thicknesses by Dropping Test, **02.05**
- B556-90(2013)** Guide for Measurement of Thin Chromium Coatings by Spot Test, **02.05**
- B557-14** Test Methods for Tension Testing Wrought and Cast Aluminum- and Magnesium-Alloy Products, **02.02**
- B557M-14** Test Methods for Tension Testing Wrought and Cast Aluminum- and Magnesium-Alloy Products (Metric), **02.02**
- B558-79(2013)** Practice for Preparation of Nickel Alloys for Electroplating, **02.05**
- B559-12** Specification for Nickel-Coated, Copper-Clad Steel Wire for Electronic Application, **02.03**
- B560-00(2010)** Specification for Modern Pewter Alloys, **02.04**
- B561-94(2012)** Specification for Refined Platinum, **02.04**
- B562-95(2012)** Specification for Refined Gold, **02.04**
- B563-01(2011)** Specification for Palladium-Silver-Copper Electrical Contact Alloy, **02.04**
- B564-11<sup>-1</sup>** Specification for Nickel Alloy Forgings, **02.04**
- B565-04(2010)** Test Method for Shear Testing of Aluminum and Aluminum-Alloy Rivets and Cold-Heading Wire and Rods, **02.02**
- B566-04a(2011)** Specification for Copper-Clad Aluminum Wire, **02.03**
- B567-98R09A** Test Method for Measurement of Coating Thickness by the Beta Backscatter Method, **02.05**
- B568-98(2009)** Test Method for Measurement of Coating Thickness by X-Ray Spectrometry, **02.05**
- B569-09** Specification for Brass Strip in Narrow Widths and Light Gage for Heat-Exchanger Tubing, **02.01**
- B570-06(2010)** Specification for Copper-Beryllium Alloy (UNS Nos. C17000 and C17200) Forgings and Extrusions, **02.01**
- B571-97(2013)** Practice for Qualitative Adhesion Testing of Metallic Coatings, **02.05**
- B572-06(2011)** Specification for UNS N06002, UNS N06230, UNS N12160, and UNS R30556 Rod, **02.04**
- B573-06(2011)** Specification for Nickel-Molybdenum-Chromium-Iron Alloys (UNS N10003, N10242) Rod, **02.04**
- B574-10** Specification for Low-Carbon Nickel-Chromium-Molybdenum, Low-Carbon Nickel-Molybdenum-Chromium, Low-Carbon Nickel-Molybdenum-Chromium-Tantalum, Low-Carbon Nickel-Chromium-Molybdenum-Copper, and Low-Carbon Nickel-Chromium-Molybdenum-Tungsten Alloy Rod, **02.04**
- B575-10** Specification for Low-Carbon Nickel-Chromium-Molybdenum, Low-Carbon Nickel-Chromium-Molybdenum-Copper, Low-Carbon Nickel-Chromium-Molybdenum-Tantalum, Low-Carbon Nickel-Chromium-Molybdenum-Tungsten, and Low-Carbon Nickel-Molybdenum-Chromium Alloy Plate, Sheet, and Strip, **02.04**
- B576-94(2010)** Guide for Arc Erosion Testing of Electrical Contact Materials, **02.04**
- B577-10** Test Methods for Detection of Cuprous Oxide (Hydrogen Embrittlement Susceptibility) in Copper, **02.01**
- B578-87(2009)** Test Method for Microhardness of Electroplated Coatings, **02.05**
- B579-73(2009)** Specification for Electrodeposited Coatings of Tin-Lead Alloy (Solder Plate), **02.05**
- B580-79(2009)** Specification for Anodic Oxide Coatings on Aluminum, **02.05**
- B581-02(2013)<sup>-1</sup>** Specification for Nickel-Chromium-Iron-Molybdenum-Copper Alloy Rod, **02.04**
- B582-07(2013)** Specification for Nickel-Chromium-Iron-Molybdenum-Copper Alloy Plate, Sheet, and Strip, **02.04**
- B583 Withdrawn 1986; Test Method for Porosity in Gold Coatings on Metal Substrates; Replaced by B735, B741*
- B584-13** Specification for Copper Alloy Sand Castings for General Applications, **02.01**
- B585 Withdrawn 1989; Specification for Seamless Copper-Alloy Water Tube*
- B586 Withdrawn 1988; Specification for Welded Copper-Alloy Water Tube*
- B587-12** Specification for Welded Brass Tube, **02.01**
- B588-88(2010)** Test Method for Measurement of Thickness of Transparent or Opaque Coatings by Double-Beam Interference Microscope Technique, **02.05**
- B589-94(2012)** Specification for Refined Palladium, **02.04**
- B590 Withdrawn 1981; Specification for Nickel-Iron-Chromium-Manganese-Molybdenum Alloy (UNS N08245) Plate, Sheet, and Strip*
- B591-09** Specification for Copper-Zinc-Tin and Copper-Zinc-Tin-Iron-Nickel Alloys Plate, Sheet, Strip, and Rolled Bar, **02.01**
- B592-11** Specification for Copper-Zinc-Aluminum-Cobalt Alloy, Copper-Zinc-Tin-Iron Alloy Plate, Sheet, Strip, and Rolled Bar, **02.01**
- B593-96(2009)<sup>-1</sup>** Test Method for Bending Fatigue Testing for Copper-Alloy Spring Materials, **02.01**

- B594-13** Practice for Ultrasonic Inspection of Aluminum-Alloy Wrought Products, **02.02**
- B595-11** Specification for Sintered Aluminum Structural Parts, **02.05**
- B596-89(2012)** Specification for Gold-Copper Alloy Electrical Contact Material, **02.04**
- B597 Withdrawn 2002; Practice for Heat Treatment of Aluminum Alloys; Replaced by B917, B918*
- B598-09** Practice for Determining Offset Yield Strength in Tension for Copper Alloys, **02.01**
- B599-92(2009)<sup>-1</sup>** Specification for Nickel-Iron-Chromium-Molybdenum-Columbium Stabilized Alloy (UNS N08700) Plate, Sheet, and Strip, **02.04**
- B600-11** Guide for Descaling and Cleaning Titanium and Titanium Alloy Surfaces, **02.04**
- B601-12** Classification for Temper Designations for Copper and Copper Alloys—Wrought and Cast, **02.01**
- B602-88(2010)** Test Method for Attribute Sampling of Metallic and Inorganic Coatings, **02.05**
- B603-07(2013)** Specification for Drawn or Rolled Iron-Chromium-Aluminum Alloys for Electrical Heating Elements, **02.04**
- B604-91(2008)** Specification for Decorative Electroplated Coatings of Copper Plus Nickel Plus Chromium on Plastics, **02.05**
- B605-95a(2009)** Specification for Electrodeposited Coatings of Tin-Nickel Alloy, **02.05**
- B606/B606M-08<sup>-1</sup>** Specification for High-Strength Zinc-Coated (Galvanized) Steel Core Wire for Aluminum and Aluminum-Alloy Conductors, Steel Reinforced, **02.03**
- B607-91(2009)** Specification for Autocatalytic Nickel Boron Coatings for Engineering Use, **02.05**
- B608-11** Specification for Welded Copper-Alloy Pipe, **02.01**
- B609M Withdrawn 1999; Replaced by B609/B609M*
- B609/B609M-12** Specification for Aluminum 1350 Round Wire, Annealed and Intermediate Tempers, for Electrical Purposes, **02.03**
- B610-13** Test Method for Measuring Dimensional Changes Associated with Processing Metal Powders, **02.05**
- B611-13** Test Method for Determining the High Stress Abrasion Resistance of Hard Materials, **03.02**
- B612 Withdrawn 2007; Specification for Iron Bronze Sintered Bearings (Oil-Impregnated); Replaced by B439*
- B613-76(2012)** Guide for Preparing Specifications for Miniature Brushes of Composite Materials for Sliding Electric Contacts, **02.04**
- B614-10** Practice for Descaling and Cleaning Zirconium and Zirconium Alloy Surfaces, **02.04**
- B615-79(2011)** Practice for Measuring Electrical Contact Noise in Sliding Electrical Contacts, **02.04**
- B616-96(2012)** Specification for Refined Rhodium, **02.04**
- B617-98(2010)** Specification for Coin Silver Electrical Contact Alloy, **02.04**
- B618/B618M-11a** Specification for Aluminum-Alloy Investment Castings, **02.02**
- B619-10<sup>-2</sup>** Specification for Welded Nickel and Nickel-Cobalt Alloy Pipe, **02.04**
- B620-03(2013)** Specification for Nickel-Iron-Chromium-Molybdenum Alloy (UNS N08320) Plate, Sheet, and Strip, **02.04**
- B621-02(2011)** Specification for Nickel-Iron-Chromium-Molybdenum Alloy (UNS N08320) Rod, **02.04**
- B622-10<sup>-1</sup>** Specification for Seamless Nickel and Nickel-Cobalt Alloy Pipe and Tube, **02.04**
- B623 Withdrawn 1996; Specification for Tough-Pitch Fire-Refined High-Conductivity Copper—Refinery Shapes*
- B624-07(2012)** Specification for High-Strength, High-Conductivity Copper-Alloy Wire for Electronic Application, **02.03**
- B625-05(2011)** Specification for UNS N08925, UNS N08031, UNS N08932, UNS N08926, UNS N08354, and UNS R20033 Plate, Sheet, and Strip, **02.04**
- B626-10<sup>-2</sup>** Specification for Welded Nickel and Nickel-Cobalt Alloy Tube, **02.04**
- B627 Withdrawn 1998; Test Method for Electrolytic Corrosion Testing (EC Test)*
- B628-98(2010)** Specification for Silver-Copper Eutectic Electrical Contact Alloy, **02.04**
- B629-77(2013)** Practice for Preparation of Molybdenum and Molybdenum Alloys for Electroplating, **02.05**
- B630-88(2010)** Practice for Preparation of Chromium for Electroplating with Chromium, **02.05**
- B631-93(2010)** Specification for Silver-Tungsten Electrical Contact Materials, **02.04**
- B632M Withdrawn 1993; Replaced by B632/B632M*
- B632/B632M-08** Specification for Aluminum-Alloy Rolled Tread Plate, **02.02**
- B633-13** Specification for Electrodeposited Coatings of Zinc on Iron and Steel, **02.05**
- B634-88(2009)** Specification for Electrodeposited Coatings of Rhodium for Engineering Use, **02.05**
- B635-00(2009)** Specification for Coatings of Cadmium-Tin Mechanically Deposited, **02.05**
- B636-84(2010)** Test Method for Measurement of Internal Stress of Plated Metallic Coatings with the Spiral Contractometer, **02.05**
- B637-12<sup>-1</sup>** Specification for Precipitation-Hardening and Cold Worked Nickel Alloy Bars, Forgings, and Forging Stock for Moderate or High Temperature Service, **02.04**
- B638 Withdrawn 1992; Specification for Copper and Copper-Alloy Solar Heat Absorber Panels*
- B639-02(2013)** Specification for Precipitation Hardening Cobalt-Containing Alloys (UNS R30155 and UNS R30816) Rod, Bar, Forgings, and Forging Stock for High-Temperature Service, **02.04**

- B640-12a** Specification for Welded Copper Tube for Air Conditioning and Refrigeration Service, **02.01**
- B641 Withdrawn 1996; Specification for Seamless and Welded Copper Distribution Tube (Type D)*
- B642 Withdrawn 1994; Specification for Welded Copper Alloy UNS C21000 Water Tube*
- B643-12** Specification for Copper-Beryllium Alloy Seamless Tube, **02.01**
- B644-11** Specification for Copper Alloy Addition Agents, **02.01**
- B645-10** Practice for Linear-Elastic Plane-Strain Fracture Toughness Testing of Aluminum Alloys, **02.02**
- B646-12** Practice for Fracture Toughness Testing of Aluminum Alloys, **02.02**
- B647-10** Test Method for Indentation Hardness of Aluminum Alloys by Means of a Webster Hardness Gage, **02.02**
- B648-10** Test Method for Indentation Hardness of Aluminum Alloys by Means of a Barcol Impressor, **02.02**
- B649-06(2011)** Specification for Ni-Fe-Cr-Mo-Cu-N Low-Carbon Alloys (UNS N08925, UNS N08031, UNS N08354, and UNS N08926), and Cr-Ni-Fe-N Low-Carbon Alloy (UNS R20033) Bar and Wire, and Ni-Cr-Fe-Mo-N Alloy (UNS N08936) Wire, **02.04**
- B650-95(2013)** Specification for Electrodeposited Engineering Chromium Coatings on Ferrous Substrates, **02.05**
- B651-83(2010)** Test Method for Measurement of Corrosion Sites in Nickel Plus Chromium or Copper Plus Nickel Plus Chromium Electroplated Surfaces with Double-Beam Interference Microscope, **02.05**
- B652/B652M-10** Specification for Niobium-Hafnium Alloy Ingots, **02.04**
- B653/B653M-11** Specification for Seamless and Welded Zirconium and Zirconium Alloy Welding Fittings, **02.04**
- B654/B654M-10** Specification for Niobium-Hafnium Alloy Foil, Sheet, Strip, and Plate, **02.04**
- B655/B655M-10** Specification for Niobium-Hafnium Alloy Bar and Wire, **02.04**
- B656 Withdrawn 2000; Guide for Autocatalytic (Electroless) Nickel-Phosphorus Deposition on Metals for Engineering Use*
- B657-11** Guide for Metallographic Identification of Microstructure in Cemented Carbides, **02.05**
- B658/B658M-11<sup>c1</sup>** Specification for Seamless and Welded Zirconium and Zirconium Alloy Pipe, **02.04**
- B659-90(2008)<sup>c1</sup>** Guide for Measuring Thickness of Metallic and Inorganic Coatings, **02.05**
- B660-08** Practices for Packaging/Packing of Aluminum and Magnesium Products, **02.02**
- B661-12** Practice for Heat Treatment of Magnesium Alloys, **02.02**
- B662-94(2012)** Specification for Silver-Molybdenum Electrical Contact Material, **02.04**
- B663-94(2012)** Specification for Silver-Tungsten Carbide Electrical Contact Material, **02.04**
- B664-90(2012)** Specification for 80 % Silver-20 % Graphite Sliding Contact Material, **02.04**
- B665-08(2012)** Guide for Metallographic Sample Preparation of Cemented Tungsten Carbides, **02.05**
- B666/B666M-08** Practice for Identification Marking of Aluminum and Magnesium Products, **02.02**
- B667-97(2009)** Practice for Construction and Use of a Probe for Measuring Electrical Contact Resistance, **02.04**
- B668-05(2010)** Specification for UNS N08028 Seamless Pipe and Tube, **02.04**
- B669 Withdrawn 1999; Specification for Zinc-Aluminum Alloys in Ingot Form for Foundry and Die Castings*
- B670-07(2013)** Specification for Precipitation-Hardening Nickel Alloy (UNS N07718) Plate, Sheet, and Strip for High-Temperature Service, **02.04**
- B671-81(2010)** Specification for Refined Iridium, **02.04**
- B672-02(2013)** Specification for Nickel-Iron-Chromium-Molybdenum-Columbium Stabilized Alloy (UNS N08700) Bar and Wire, **02.04**
- B673-05(2011)<sup>c1</sup>** Specification for UNS N08925, UNS N08354, and UNS N08926 Welded Pipe, **02.04**
- B674-05(2011)** Specification for UNS N08925, UNS N08354, and UNS N08926 Welded Tube, **02.04**
- B675-02(2013)** Specification for UNS N08367 Welded Pipe, **02.04**
- B676-03(2009)** Specification for UNS N08367 Welded Tube, **02.04**
- B677-05(2010)<sup>c1</sup>** Specification for UNS N08925, UNS N08354, and UNS N08926 Seamless Pipe and Tube, **02.04**
- B678-86(2011)** Test Method for Solderability of Metallic-Coated Products, **02.05**
- B679-98(2009)** Specification for Electrodeposited Coatings of Palladium for Engineering Use, **02.05**
- B680-80(2009)** Test Method for Seal Quality of Anodic Coatings on Aluminum by Acid Dissolution, **02.05**
- B681 Withdrawn 2001; Test Method for Measurement of Thickness of Anodic Coatings on Aluminum and of Other Transparent Coatings on Opaque Surfaces, Using the Light-Section Microscope*
- B682-01(2009)** Specification for Standard Metric Sizes of Electrical Conductors, **02.03**
- B683-01(2012)** Specification for Pure Palladium Electrical Contact Material, **02.04**
- B684-97(2012)** Specification for Platinum-Iridium Electrical Contact Materials, **02.04**
- B685-01(2012)** Specification for Palladium-Copper Electrical Contact Material, **02.04**
- B686/B686M-11** Specification for Aluminum Alloy Castings, High-Strength, **02.02**
- B687-99(2011)** Specification for Brass, Copper, and Chromium-Plated Pipe Nipples, **02.01**

- B688-96(2009)** Specification for Chromium-Nickel-Molybdenum-Iron (UNS N08366 and UNS N08367) Plate, Sheet, and Strip, **02.04**
- B689-97(2013)** Specification for Electroplated Engineering Nickel Coatings, **02.05**
- B690-02(2013)** Specification for Iron-Nickel-Chromium-Molybdenum Alloys (UNS N08366 and UNS N08367) Seamless Pipe and Tube, **02.04**
- B691-02(2013)** Specification for Iron-Nickel-Chromium-Molybdenum Alloys (UNS N08366 and UNS N08367) Rod, Bar, and Wire, **02.04**
- B692-90(2012)** Specification for 75 % Silver-25 % Graphite Sliding Contact Material, **02.04**
- B693-91(2012)** Specification for Silver-Nickel Electrical Contact Materials, **02.04**
- B694-13** Specification for Copper, Copper-Alloy, Copper-Clad Bronze (CCB), Copper-Clad Stainless Steel (CCS), and Copper-Clad Alloy Steel (CAS) Sheet and Strip for Electrical Cable Shielding, **02.01**
- B695-04(2009)** Specification for Coatings of Zinc Mechanically Deposited on Iron and Steel, **02.05**
- B696-00(2009)** Specification for Coatings of Cadmium Mechanically Deposited, **02.05**
- B697-88(2010)** Guide for Selection of Sampling Plans for Inspection of Electrodeposited Metallic and Inorganic Coatings, **02.05**
- B698-10** Classification for Seamless Copper and Copper Alloy Plumbing Pipe and Tube, **02.01**
- B699-86(2008)** Specification for Coatings of Cadmium Vacuum-Deposited on Iron and Steel, **02.05**
- B700-08** Specification for Electrodeposited Coatings of Silver for Engineering Use, **02.05**
- B701/B701M-13** Specification for Concentric-Lay-Stranded Self-Damping Aluminum Conductors, Steel Reinforced (ACSR/SD), **02.03**
- B702-93(2010)** Specification for Copper-Tungsten Electrical Contact Material, **02.04**
- B703-10** Test Method for Apparent Density of Metal Powders and Related Compounds Using the Arnold Meter, **02.05**
- B704-03(2009)** Specification for Welded UNS N06625, UNS N06219 and UNS N08825 Alloy Tubes, **02.04**
- B705-05(2009)** Specification for Nickel-Alloy (UNS N06625, N06219 and N08825) Welded Pipe, **02.04**
- B706-00(2011)** Specification for Seamless Copper Alloy (UNS No. C69100) Pipe and Tube, **02.01**
- B707 Withdrawn 1992; Specification for Seamless Copper Water Tube (Special Use)*
- B707M Withdrawn 1992; Specification for Seamless Copper Water Tube (Special Use) [Metric]*
- B708-12** Specification for Tantalum and Tantalum Alloy Plate, Sheet, and Strip, **02.04**
- B709-04(2009)** Specification for Iron-Nickel-Chromium-Molybdenum Alloy (UNS N08028) Plate, Sheet, and Strip, **02.04**
- B710-04(2009)** Specification for Nickel-Iron-Chromium-Silicon Alloy Welded Pipe, **02.04**
- B711-13** Specification for Concentric-Lay-Stranded Aluminum-Alloy Conductors, Steel Reinforced (AACSR) (6201), **02.03**
- B712-93(2012)** Guide for Determination of Sodium and Potassium Content For Silver-Cadmium Oxide Contact Materials, **02.04**
- B713 Withdrawn 2001; Terminology Relating to Superconductors*
- B714 Withdrawn 2001; Test Method for D-C Critical Current of Composite Superconductors*
- B715 Withdrawn 2010; Specification for Sintered Copper Structural Parts for Electrical Conductivity Applications*
- B716 Withdrawn 1994; Specification for Welded Copper Water Tube*
- B716M Withdrawn 1994; Specification for Welded Copper Water Tube [Metric]*
- B717-96(2012)** Specification for Refined Ruthenium, **02.04**
- B718-00(2011)** Specification for Nickel-Chromium-Molybdenum-Cobalt-Tungsten-Iron-Silicon Alloy (UNS N06333) Plate, Sheet, and Strip, **02.04**
- B719-00(2009)** Specification for Nickel-Chromium-Molybdenum-Cobalt-Tungsten-, **02.04**
- B720 Withdrawn 1999; Specification for Seamless UNS N08310 Tube*
- B721 Withdrawn 2004; Test Method for Microhardness and Case Depth of Powder Metallurgy (P/M) Parts; Replaced by B931*
- B722-06(2011)** Specification for Nickel-Chromium-Molybdenum-Cobalt-Tungsten-Iron-Silicon Alloy (UNS N06333) Seamless Pipe and Tube, **02.04**
- B723-00(2009)** Specification for Nickel-Chromium-Molybdenum-Cobalt-Tungsten-Iron-Silicon Alloy (UNS N06333) Welded Pipe, **02.04**
- B724 Withdrawn 2013; Test Method for Indentation Hardness of Aluminum Alloys by Means of a Newage, Portable, Non-Caliper-Type Instrument*
- B725-05(2009)** Specification for Welded Nickel (UNS N02200/UNS N02201) and Nickel Copper Alloy (UNS N04400) Pipe, **02.04**
- B726-02(2011)** Specification for Nickel-Chromium-Molybdenum-Cobalt-Tungsten-Iron-Silicon Alloy (UNS N06333) Welded Tube, **02.04**
- B727-04(2009)** Practice for Preparation of Plastics Materials for Electroplating, **02.05**
- B728 Withdrawn 1990; Specification for Concentric-Lay-Stranded Aluminum-Alloy Conductors, Steel Reinforced(AACSR) (5005)*
- B729-05(2009)** Specification for Seamless UNS N08020, UNS N08026, and UNS N08024 Nickel-Alloy Pipe and Tube, **02.04**
- B730-08(2013)** Specification for Welded Nickel (UNS N02200/UNS N02201) and Nickel Copper Alloy (UNS N04400) Tube, **02.04**
- B731-96(2012)** Specification for 60 % Palladium-40 % Silver Electrical Contact Material, **02.04**
- B732 Withdrawn 1998; Test Method for Evaluating the Corrosivity of Solder*

*Fluxes for Copper Tubing Systems; Replaced by B813*

**B733-04(2009)** Specification for Autocatalytic (Electroless) Nickel-Phosphorus Coatings on Metal, **02.05**

**B734-97(2013)** Specification for Electrodeposited Copper for Engineering Uses, **02.05**

**B735-06(2011)** Test Method for Porosity in Gold Coatings on Metal Substrates by Nitric Acid Vapor, **02.04**

**B736-00(2006)** Specification for Aluminum, Aluminum Alloy and Aluminum-Clad Steel Cable Shielding Stock, **02.02**

**B737-10** Specification for Hot-Rolled and/or Cold-Finished Hafnium Rod and Wire, **02.04**

**B738-13** Specification for Fine-Wire Bunch-Stranded and Rope-Lay Bunch-Stranded Copper Conductors for Use as Electrical Conductors, **02.03**

**B739-03(2013)** Specification for Nickel-Iron-Chromium-Silicon Alloy Welded Tube, **02.04**

**B740-09** Specification for Copper-Nickel-Tin Spinodal Alloy Strip, **02.01**  
*B741 Withdrawn 2005; Test Method for Porosity In Gold Coatings On Metal Substrates By Paper Electrography*

**B742-90(2012)** Specification for Fine Silver Electrical Contact Fabricated Material, **02.04**

**B743-12** Specification for Seamless Copper Tube in Coils, **02.01**

**B744/B744M-05(2011)** Specification for Aluminum Alloy Sheet for Corrugated Aluminum Pipe, **02.02**

**B745/B745M-12** Specification for Corrugated Aluminum Pipe for Sewers and Drains, **02.02**

**B746/B746M-02(2012)** Specification for Corrugated Aluminum Alloy Structural Plate for Field-Bolted Pipe, Pipe-Arches, and Arches, **02.02**

**B747-11** Specification for Copper-Zirconium Alloy Sheet and Strip, **02.01**

**B748-90(2010)** Test Method for Measurement of Thickness of Metallic Coatings by Measurement of Cross Section with a Scanning Electron Microscope, **02.05**

**B749-03(2009)** Specification for Lead and Lead Alloy Strip, Sheet, and Plate Products, **02.04**

**B750-12** Specification for GALFAN, **02.04**

**B751-08(2013)** Specification for General Requirements for Nickel and Nickel Alloy Welded Tube, **02.04**

**B752-06(2011)<sup>2</sup>** Specification for Castings, Zirconium-Base, Corrosion Resistant, for General Application, **02.04**

**B753-07(2013)** Specification for Thermostat Component Alloys, **02.04**

**B754-10** Test Method for Measuring and Recording the Deviations from Flatness in Copper and Copper Alloy Strip, **02.01**

**B755-00(2011)** Specification for Nickel-Chromium-Molybdenum-Tungsten Alloys, **02.04**

**B756-00(2011)** Specification for Nickel-Chromium-Molybdenum-Tungsten Alloy, **02.04**

**B757-00(2011)** Specification for Nickel-Chromium-Molybdenum-Tungsten-Alloys, **02.04**

**B758-00(2011)** Specification for Nickel-Chromium-Molybdenum-Tungsten Alloys, **02.04**

**B759-00(2011)** Specification for Nickel-Chromium-Molybdenum-Tungsten Alloys, **02.04**

**B760-07(2013)** Specification for Tungsten Plate, Sheet, and Foil, **02.04**

**B761-06(2011)** Test Method for Particle Size Distribution of Metal Powders and Related Compounds by X-Ray Monitoring of Gravity Sedimentation, **02.05**

**B762-90(2010)** Test Method of Variables Sampling of Metallic and Inorganic Coatings, **02.05**

**B763/B763M-13<sup>1</sup>** Specification for Copper Alloy Sand Castings for Valve Applications, **02.01**

**B764-04(2009)** Test Method for Simultaneous Thickness and Electrode Potential Determination of Individual Layers in Multilayer Nickel Deposit (STEP Test), **02.05**

**B765-03(2013)** Guide for Selection of Porosity and Gross Defect Tests for Electrodeposits and Related Metallic Coatings, **02.05**

**B766-86(2008)** Specification for Electrodeposited Coatings of Cadmium, **02.05**

**B767-88(2010)** Guide for Determining Mass Per Unit Area of Electrodeposited and Related Coatings by Gravimetric and Other Chemical Analysis Procedures, **02.05**

**B768-11** Specification for Copper-Cobalt-Beryllium Alloy and Copper-Nickel-Beryllium Alloy Strip and Sheet, **02.01**

**B769-11** Test Method for Shear Testing of Aluminum Alloys, **02.02**

**B770-10** Specification for Copper-Beryllium Alloy Sand Castings for General Applications, **02.01**

**B771-11<sup>1</sup>** Test Method for Short Rod Fracture Toughness of Cemented Carbides, **02.05**

**B772-97(2012)** Guide for Specifying the Chemical Compositions for Electrical Contact Materials (Arcing and Nonarcing), **02.04**  
*B773 Withdrawn 2013; Guide for Ultrasonic C-Scan Bond Evaluation of Brazed or Welded Electrical Contact Assemblies*

**B774-00(2010)** Specification for Low Melting Point Alloys, **02.04**

**B775-13** Specification for General Requirements for Nickel and Nickel Alloy Welded Pipe, **02.04**

**B776-12** Specification for Hafnium and Hafnium Alloy Strip, Sheet, and Plate, **02.04**

**B777-07(2013)** Specification for Tungsten Base, High-Density Metal, **02.04**

**B778-02(2012)** Specification for Shaped Wire Compact Concentric-Lay-Stranded Aluminum Conductors (AAC/TW), **02.03**

**B779-12** Specification for Shaped Wire Compact Concentric-Lay-Stranded Aluminum Conductors, Steel-Reinforced (ACSR/TW), **02.03**

**B780-98(2010)** Specification for 75 % Silver, 24.5 % Copper, 0.5 % Nickel Electrical Contact Alloy, **02.04**

**B781-93a(2012)** Guide for Silver-Cadmium Oxide Contact Material, **02.04**  
*B782 Withdrawn 2007; Specification for Iron Graphite Sintered Bearings (Oil-Impregnated); Replaced by B439*

**B783-13** Specification for Materials for Ferrous Powder Metallurgy (PM) Structural Parts, **02.05**

**B784-01(2012)** Specification for Modified Concentric-Lay-Stranded Copper Conductors for Use in Insulated Electrical Cables, **02.03**  
*B785 Withdrawn 1998; Specification for Compact Round Modified Concentric-Lay-Stranded Copper Conductors for Use in Insulated Electrical Cables*

**B786/B786M-08(2013)<sup>1</sup>** Specification for 19 Wire Combination Unilay-Stranded Aluminum Conductors for Subsequent Insulation, **02.03**

**B787/B787M-04(2009)** Specification for 19 Wire Combination Unilay-Stranded Copper Conductors for Subsequent Insulation, **02.03**

**B788/B788M-09(2014)** Practice for Installing Factory-Made Corrugated Aluminum Culverts and Storm Sewer Pipe, **02.02**

**B789/B789M-99(2011)** Practice for Installing Corrugated Aluminum Structural Plate Pipe for Culverts and Sewers, **02.02**

**B790/B790M-11** Practice for Structural Design of Corrugated Aluminum Pipe, Pipe-Arches, and Arches for Culverts, Storm Sewers, and Other Buried Conduits, **02.02**  
*B791 Withdrawn 1999; Specification for Zinc-Aluminum (ZA) Alloy Foundry and Die Castings*

**B792-13** Specification for Zinc Alloys in Ingot Form for Slush Casting, **02.04**

**B793-13** Specification for Zinc Casting Alloy Ingot for Sheet Metal Forming Dies and Plastic Injection Molds, **02.04**

**B794-97(2009)** Test Method for Durability Wear Testing of Separable Electrical Connector Systems Using Electrical Resistance Measurements, **02.04**

**B795-13** Test Method for Determining the Percentage of Alloyed or Unalloyed Iron Contamination Present in Powder Forged (PF) Steel Materials, **02.05**

**B796-07** Test Method for Nonmetallic Inclusion Content of Powders Intended for Powder Forging (PF) Applications, **02.05**

**B797-93(2007)** Test Method for Surface Finger Oxide Penetration Depth and Presence of Interparticle Oxide Networks in Powder Forged (P/F) Steel Parts, **02.05**

**B798-95(2009)** Test Method for Porosity in Gold or Palladium Coatings on Metal Substrates by Gel-Bulk Electrography, **02.04**

**B799-95(2009)** Test Method for Porosity in Gold and Palladium Coatings by Sulfurous Acid/Sulfur-Dioxide Vapor, **02.04**

**B800-05(2011)** Specification for 8000 Series Aluminum Alloy Wire for Electrical Purposes—Annealed and Intermediate Tempers, **02.03**

**B801-07(2012)** Specification for Concentric-Lay-Stranded Conductors of 8000 Series Aluminum Alloy for Subsequent Covering or Insulation, **02.03**  
*B802M Withdrawn 1998; Replaced by B802/B802M*

**B802/B802M-10** Specification for Zinc-5 % Aluminum-Mischmetal Alloy-Coated Steel Core Wire for Aluminum Conductors, Steel Reinforced (ACSR), **02.03**

**B803/B803M-08<sup>1</sup>** Specification for High-Strength Zinc-5 % Aluminum-Mischmetal Alloy-Coated Steel Core Wire for Use in Overhead Electrical Conductors, **02.03**

**B804-02(2013)** Specification for UNS N08367 and UNS N08926 Welded Pipe, **02.04**

**B805-06(2011)** Specification for Precipitation Hardening Nickel Alloys Bar and Wire, **02.04**

**B806-08a** Specification for Copper Alloy Permanent Mold Castings for General Applications, **02.01**

**B807/B807M-13** Practice for Extrusion Press Solution Heat Treatment for Aluminum Alloys, **02.02**

**B808-10** Test Method for Monitoring of Atmospheric Corrosion Chambers by Quartz Crystal Microbalances, **02.04**

**B809-95(2013)** Test Method for Porosity in Metallic Coatings by Humid Sulfur Vapor ("Flowers-of-Sulfur"), **02.05**

**B810-01a(2011)** Test Method for Calibration of Atmospheric Corrosion Test Chambers by Change in Mass of Copper Coupons, **02.04**

**B811-13** Specification for Wrought Zirconium Alloy Seamless Tubes for Nuclear Reactor Fuel Cladding, **02.04**

**B812-96(2013)** Test Method for Resistance to Environmental Degradation of Electrical Pressure Connections Involving Aluminum and Intended for Residential Applications, **02.04**

**B813-10** Specification for Liquid and Paste Fluxes for Soldering of Copper and Copper Alloy Tube, **02.01**

**B814-06(2011)** Specification for Nickel-Chromium-Iron-Molybdenum-Tungsten Alloy, **02.04**

**B815-02(2011)** Specification for Cobalt-Chromium-Nickel-Molybdenum-Tungsten Alloy, **02.04**

**B816-00(2009)** Specification for Coatings of Cadmium-Zinc Mechanically Deposited, **02.05**  
*B817 Withdrawn 2013; Specification for Powder Metallurgy (PM) Titanium Alloy Structural Components; Replaced by B988*

**B818-03(2013)** Specification for Cobalt-Chromium-Nickel-Molybdenum-Tungsten Alloy, **02.04**

**B819-00(2011)** Specification for Seamless Copper Tube for Medical Gas Systems, **02.01**

**B820-09** Test Method for Bend Test for Determining the Formability of Copper and Copper Alloy Strip, **02.01**

**B821-10** Guide for Liquid Dispersion of Metal Powders and Related Compounds for Particle Size Analysis, **02.05**

**B822-10** Test Method for Particle Size Distribution of Metal Powders and Related Compounds by Light Scattering, **02.05**

**B823-09** Specification for Materials for Copper Base Powder Metallurgy (PM) Structural Parts, **02.05**

**B824-11** Specification for General Requirements for Copper Alloy Castings, **02.01**

**B825-13** Test Method for Coulometric Reduction of Surface Films on Metallic Test Samples, **02.04**

**B826-09** Test Method for Monitoring Atmospheric Corrosion Tests by Electrical Resistance Probes, **02.04**

**B827-05(2009)<sup>2</sup>** Practice for Conducting Mixed Flowing Gas (MFG) Environmental Tests, **02.04**

**B828-02(2010)** Practice for Making Capillary Joints by Soldering of Copper and Copper Alloy Tube and Fittings, **02.01**

**B829-04a(2009)<sup>1</sup>** Specification for General Requirements for Nickel and Nickel Alloys Seamless Pipe and Tube, **02.04**

**B830-11** Specification for Uniform Test Methods and Frequency, **02.03**

**B831-14** Test Method for Shear Testing of Thin Aluminum Alloy Products, **02.02**

**B832-93(2013)** Guide for Electroforming with Nickel and Copper, **02.05**

**B833-13** Specification for Zinc and Zinc Alloy Wire for Thermal Spraying (Metallizing) for the Corrosion Protection of Steel, **02.04**

**B834-13** Specification for Pressure Consolidated Powder Metallurgy Iron-Nickel-Chromium-Molybdenum (UNS N08367) and Nickel-Chromium-Molybdenum-Columbium (Nb) (UNS N06625) Alloy Pipe Flanges, Fittings, Valves, and Parts, **02.04**

**B835-04(2009)** Specification for Compact Round Stranded Copper Conductors Using Single Input Wire Construction, **02.03**

**B836-00(2011)** Specification for Compact Round Stranded Aluminum Conductors Using Single Input Wire Construction, **02.03**

**B837-10** Specification for Seamless Copper Tube for Natural Gas and Liquefied Petroleum (LP) Gas Fuel Distribution Systems, **02.01**

*B838 Not Assigned*

**B839-04(2009)** Test Method for Residual Embrittlement in Metallic Coated, Externally Threaded Articles, Fasteners, and Rod—Inclined Wedge Method, **02.05**

**B840-99(2009)** Specification for Electrodeposited Coatings of Zinc Cobalt Alloy Deposits, **02.05**

**B841-99(2010)** Specification for Electrodeposited Coatings of Zinc Nickel Alloy Deposits, **02.05**

**B842-99(2011)** Specification for Electrodeposited Coatings of Zinc Iron Alloy Deposits, **02.05**

**B843-13** Specification for Magnesium Alloy Anodes for Cathodic Protection, **02.02**

**B844-98(2010)** Guide for Silver-Tin Oxide Contact Material, **02.04**

**B845-97(2013)** Guide for Mixed Flowing Gas (MFG) Tests for Electrical Contacts, **02.04**

**B846-11a** Terminology for Copper and Copper Alloys, **02.01**

*B847 Withdrawn 1995; Specification for Tinned Hard-Drawn and Medium-Hard-Drawn Copper Wire for Electrical Purposed; Replaced by B246*

**B848-10** Specification for Powder Forged (PF) Ferrous Materials, **02.05**

**B849-02(2013)** Specification for Pre-Treatments of Iron or Steel for Reducing Risk of Hydrogen Embrittlement, **02.05**

**B850-98(2009)** Guide for Post-Coating Treatments of Steel for Reducing the Risk of Hydrogen Embrittlement, **02.05**

**B851-04(2009)** Specification for Automated Controlled Shot Peening of Metallic Articles Prior to Nickel, Autocatalytic Nickel, or Chromium Plating, or as Final Finish, **02.05**

**B852-12** Specification for Continuous Galvanizing Grade (CGG) Zinc Alloys for Hot-Dip Galvanizing of Sheet Steel, **02.04**

**B853-12** Specification for Powder Metallurgy (PM) Boron Stainless Steel Structural Components, **02.05**

**B854-98(2010)<sup>1</sup>** Guide for Measuring Electrical Contact Intermittences, **02.04**

**B855-11** Test Method for Volumetric Flow Rate of Metal Powders Using the Arnold Meter and Hall Flowmeter Funnel, **02.05**

**B856-13** Specification for Concentric-Lay-Stranded Aluminum Conductors, Coated Steel Supported (ACSS), **02.03**

**B857-11<sup>2</sup>** Specification for Shaped Wire Compact Concentric-Lay-Stranded Aluminum Conductors, Coated-Steel Supported (ACSS/TW), **02.03**

**B858-06(2012)** Test Method for Ammonia Vapor Test for Determining Susceptibility to Stress Corrosion Cracking in Copper Alloys, **02.01**

**B859-13** Practice for De-Agglomeration of Refractory Metal Powders and Their Compounds Prior to Particle Size Analysis, **02.05**

**B860-13** Specification for Zinc Master Alloys for Use in Hot Dip Galvanizing, **02.04**

**B861-13** Specification for Titanium and Titanium Alloy Seamless Pipe, **02.04**

**B862-13a** Specification for Titanium and Titanium Alloy Welded Pipe, **02.04**

**B863-13a** Specification for Titanium and Titanium Alloy Wire, **02.04**

**B864/B864M-13** Specification for Corrugated Aluminum Box Culverts, **02.02**

**B865-04(2010)** Specification for Precipitation Hardening Nickel-Copper-Aluminum Alloy, **02.04**

**B866-95(2013)** Test Method for Gross Defects and Mechanical Damage in Metallic Coatings by Polysulfide Immersion, **02.05**

**B867-95(2013)** Specification for Electrodeposited Coatings of Palladium-Nickel for Engineering Use, **02.05**

**B868-96(2013)** Practice for Contact Performance Classification of Electrical Connection Systems, **02.04**

**B869-07(2013)** Specification for Copper-Clad Steel Electrical Conductor for CATV Drop Wire, **02.03**

**B870-08** Specification for Copper-Beryllium Alloy Forgings and Extrusions Alloys (UNS Nos. C17500 and C17510), **02.01**

**B871-01(2013)** Test Method for Tear Testing of Aluminum Alloy Products, **02.02**

**B872-06(2011)** Specification for Precipitation-Hardening Nickel Alloys Plate, Sheet, and Strip, **02.04**

**B873-12** Test Method for Measuring Volume of Apparent Density Cup Used in Test Methods B 212, B 329, and B 417, **02.05**

**B874-96(2013)** Specification for Chromium Diffusion Coating Applied by Pack Cementation Process, **02.05**

**B875-96(2013)** Specification for Aluminum Diffusion Coating Applied by Pack Cementation Process, **02.05**

*B876 Withdrawn 2002; Specification for Borated Dispersion Strengthened Copper Plate, Sheet, Strip and Rolled Bar for Nuclear Application*

**B877-96(2013)** Test Method for Gross Defects and Mechanical Damage in Metallic Coatings by the Phosphomolybdic Acid (PMA) Method, **02.05**

**B878-97(2009)** Test Method for Nanosecond Event Detection for Electrical Contacts and Connectors, **02.04**

**B879-97(2013)** Practice for Applying Non-Electrolytic Conversion Coatings on Magnesium and Magnesium Alloys, **02.05**

**B880-03(2008)** Specification for General Requirements for Chemical Check Analysis Limits for Nickel, Nickel Alloys and Cobalt Alloys, **02.04**

**B881-09** Terminology Relating to Aluminum- and Magnesium-Alloy Products, **02.02**

**B882-10** Specification for Pre-Patinated Copper for Architectural Applications, **02.01**

**B883-10<sup>1</sup>** Specification for Metal Injection Molding (MIM) Ferrous Materials, **02.05**

**B884-11** Specification for Niobium-Titanium Alloy Billets, Bar, and Rod for Superconducting Applications, **02.04**

**B885-09** Test Method for Presence of Foreign Matter on Printed Wiring Board Contacts, **02.04**

**B886-12** Test Method for Determination of Magnetic Saturation (Ms) of Cemented Carbides, **02.05**

**B887-12** Test Method for Determination of Coercivity (Hcs) of Cemented Carbides, **02.05**

**B888/B888M-13** Specification for Copper Alloy Strip for Use in Manufacture of Electrical Connectors or Spring Contacts, **02.01**

*B889 Withdrawn 2003; Specification for Solid Hard-Drawn Aluminum Wire for Electrical Purposes*

**B890-07(2012)** Test Method for Determination of Metallic Constituents of Tungsten Alloys and Tungsten Hardmetals by X-Ray Fluorescence Spectrometry, **02.05**

**B891-12** Specification for Seamless and Welded Titanium and Titanium Alloy Condenser and Heat Exchanger Tubes with Enhanced Surface for Improved Heat Transfer, **02.04**

**B892-10** Specification for ACuZinc5, **02.04**

**B893-98(2013)** Specification for Hard-Coat Anodizing of Magnesium for Engineering Applications, **02.05**

**B894-10<sup>1</sup>** Specification for Specification for ACuZinc5 (Zinc-Copper-Aluminum) Alloy Die Castings, **02.04**

**B895-05(2010)<sup>1</sup>** Test Methods for Evaluating the Corrosion Resistance of Stainless Steel Powder Metallurgy (PM) Parts/Specimens by Immersion in a Sodium Chloride Solution, **02.05**

**B896-10<sup>1</sup>** Test Methods for Evaluating Connectability Characteristics of Electrical Conductor Materials, **02.04**

**B897-13** Specification for Configuration of Zinc and Zinc Alloy Jumbo, Block, Half Block, and Slab Ingot, **02.04**

**B898-11** Specification for Reactive and Refractory Metal Clad Plate, **02.04**

**B899-13** Terminology Relating to Non-ferrous Metals and Alloys, **02.04**

**B900-04(2010)** Practice for Packaging of Copper and Copper Alloy Mill Products for U.S. Government Agencies, **02.01**

**B901-04(2011)** Specification for Compressed Round Stranded Aluminum Conductors Using Single Input Wire Construction, **02.03**

**B902/B902M-13<sup>1</sup>** Specification for Compressed Round Stranded Copper Conductors, Hard, Medium-Hard, or Soft Using Single Input Wire Construction, **02.03**

**B903-10** Specification for Seamless Copper Heat Exchanger Tubes With Internal Enhancement, **02.01**

**B904-00(2009)** Specification for Autocatalytic Nickel over Autocatalytic Copper for Electromagnetic Interference Shielding, **02.05**

**B905-00(2010)** Test Methods for Assessing the Adhesion of Metallic and Inorganic Coatings by the Mechanized Tape Test, **02.05**

**B906-02(2012)** Specification for General Requirements for Flat-Rolled Nickel and Nickel Alloys Plate, Sheet, and Strip, **02.04**

**B907-13** Specification for Zinc, Tin and Cadmium Base Alloys Used as Solders, **02.04**

**B908-09** Practice for the Use of Color Codes for Zinc Casting Alloy Ingot, **02.04**

**B909-00(2011)** Guide for Plane Strain Fracture Toughness Testing of Non-Stress Relieved Aluminum Products, **02.02**

**B910/B910M-07(2013)** Specification for Annealed Copper-Clad Steel Wire, **02.03**

**B911/B911M-12** Specification for ACSR Twisted Pair Conductor (ACSR/TP), **02.03**

**B912-02(2013)** Specification for Passivation of Stainless Steels Using Electropolishing, **02.05**

**B913-05(2010)** Test Method for Evaluation of Crimped Electrical Connections to 16-Gauge and Smaller Diameter Stranded and Solid Conductors, **02.04**

**B914-13<sup>1</sup>** Practice for Color Codes on Zinc and Zinc Alloy Ingot for Use in Hot-Dip Galvanizing of Steel, **02.04**

**B915-01(2013)<sup>c1</sup>** Test Method for Measuring Static Heat Resistance of Self-Cleaning Oven Coating, **02.05**

**B916-01(2013)<sup>c1</sup>** Test Method for Adherence of Porcelain Enamel Coatings to Sheet Metal, **02.05**

**B917/B917M-12** Practice for Heat Treatment of Aluminum-Alloy Castings from All Processes, **02.02**

**B918/B918M-09** Practice for Heat Treatment of Wrought Aluminum Alloys, **02.02**

**B919-12** Specification for Welded Copper Heat Exchanger Tubes With Internal Enhancement, **02.01**

**B920-01(2011)** Practice for Porosity in Gold and Palladium Alloy Coatings on Metal Substrates by Vapors of Sodium Hypochlorite Solution, **02.04**

**B921-08(2013)** Specification for Non-hexavalent Chromium Conversion Coatings on Aluminum and Aluminum Alloys, **02.05**

**B922-10** Test Method for Metal Powder Specific Surface Area by Physical Adsorption, **02.05**

**B923-10** Test Method for Metal Powder Skeletal Density by Helium or Nitrogen Pycnometry, **02.05**

**B924-02(2012)** Specification for Seamless and Welded Nickel Alloy Condenser and Heat Exchanger Tubes With Integral Fins, **02.04**

**B925-08** Practices for Production and Preparation of Powder Metallurgy (PM) Test Specimens, **02.05**

**B926-09** Method for Pinhole Determination in Aluminum and Aluminum Alloy Plain Foil by Means of a Light Table, **02.02**

**B927/B927M-13** Specification for Brass Rod, Bar, and Shapes, **02.01**

**B928/B928M-14** Specification for High Magnesium Aluminum-Alloy Sheet and Plate for Marine Service and Similar Environments, **02.02**

**B929-05(2011)<sup>c1</sup>** Specification for Copper-Nickel-Tin Spinodal Alloy Rod and Bar, **02.01**

**B930-03(2012)** Test Method for Rating Grain Size and Frequency of Abnormally Large Grains in Cemented Tungsten Carbides (Hardmetals), **02.05**

**B931-09** Test Method for Metallographically Estimating the Observed Case Depth of Ferrous Powder Metallurgy (PM) Parts, **02.05**

**B932-04(2010)** Specification for Low-Carbon Nickel-Chromium-Molybdenum-Gadolinium Alloy Plate, Sheet, and Strip, **02.04**

**B933-09** Test Method for Microindentation Hardness of Powder Metallurgy (PM) Materials, **02.05**

**B934-10** Test Method for Effective Case Depth of Ferrous Powder Metallurgy (PM) Parts Using Microindentation Hardness Measurements, **02.05**

**B935-05(2009)<sup>c1</sup>** Guide for Steam Treatment of Ferrous Powder Metallurgy (PM) Materials, **02.05**

**B936-13** Specification for Copper-Chromium-Iron-Titanium Alloy Plate, Sheet, Strip and Rolled Bar, **02.01**

**B937-04(2010)** Specification for Copper-Beryllium Seamless Tube (UNS Nos. C17500 and C17510), **02.01**

*B938 Withdrawn 2010; Specification for Copper-Beryllium Alloy Forgings and Extrusions (UNS Nos. C17500 and C17510); Replaced by B870*

**B939-09** Test Method for Radial Crushing Strength, *K*, of Powder Metallurgy (PM) Bearings and Structural Materials, **02.05**

**B940-05(2009)<sup>c1</sup>** Practice for Testing Non-Chromate Coatings on Zinc and Cadmium Surfaces, **02.05**

**B941-10** Specification for Heat Resistant Aluminum-Zirconium Alloy Wire for Electrical Purposes, **02.03**

**B942-10<sup>c1</sup>** Guide for Specification and Quality Assurance for the Electrical Contact Performance of Crimped Wire Terminations, **02.04**

**B943-13** Specification for Zinc and Tin Alloy Wire Used in Thermal Spraying for Electronic Applications, **02.04**

**B944-11** Specification for Copper-Beryllium Welded Heat Exchanger and Condenser Tube (UNS No. C17510), **02.01**

**B945-06** Practice for Aluminum Alloy Extrusions Press Cooled from an Elevated Temperature Shaping Process for Production of T1, T2, T5 and T10-Type Tempers, **02.02**

**B946-11** Test Method for Surface Finish of Powder Metallurgy (PM) Products, **02.05**

**B947-06(2013)** Practice for Hot Rolling Mill Solution Heat Treatment for Aluminum Alloy Plate, **02.02**

**B949-13** Specification for General Requirements for Zinc and Zinc Alloy Products, **02.04**

**B950-13** Guide for Editorial Procedures and Form of Product Specifications for Copper and Copper Alloys, **02.01**

**B951-11** Practice for Codification of Unalloyed Magnesium and Magnesium-Alloys, Cast and Wrought, **02.02**

**B952/B952M-13** Specification for Zinc Alloys in Ingot Form for Spin Casting, **02.04**

**B953-13** Practice for Sampling Magnesium and Magnesium Alloys for Spectrochemical Analysis, **02.02**

**B954-07** Test Method for Analysis of Magnesium and Magnesium Alloys by Atomic Emission Spectrometry, **02.02**

**B955/B955M-11** Specification for Aluminum-Alloy Centrifugal Castings, **02.02**

**B956/B956M-10<sup>c1</sup>** Specification for Welded Copper and Copper-Alloy Condenser and Heat Exchanger Tubes with Integral Fins, **02.01**

**B957/B957M-08<sup>c1</sup>** Specification for Extra-High-Strength and Ultra-High-Strength Zinc-Coated (Galvanized) Steel Core Wire for Overhead Electrical Conductors, **02.03**

**B958/B958M-08<sup>c1</sup>** Specification for Extra-High-Strength and Ultra-High-Strength Class A Zinc-5% Aluminum-Mischmetal Alloy-Coated Steel Core Wire for Use in Overhead Electrical Conductors, **02.03**

**B960-13** Specification for Prime Western Grade-Recycled (PWG-R) Zinc, **02.04**

**B961-13** Specification for Silver Coated Copper and Copper Alloy Stranded Conductors for Electronic Space Application, **02.03**

**B962-13** Test Methods for Density of Compacted or Sintered Powder Metallurgy (PM) Products Using Archimedes' Principle, **02.05**

**B963-13** Test Methods for Oil Content, Oil-Impregnation Efficiency, and Interconnected Porosity of Sintered Powder Metallurgy (PM) Products Using Archimedes' Principle, **02.05**

**B964-09** Test Methods for Flow Rate of Metal Powders Using the Carney Funnel, **02.05**

**B965-09** Specification for High Performance Tin-Coated Annealed Copper Wire Intended for Electrical and Electronic Application for Solderability, **02.03**

**B966-10** Test Method for Permeability of Powder Metallurgy (PM) Bearings Using Nitrogen Gas, **02.05**

**B967/B967M-12a** Specification for Copper-Zinc-Tin-Bismuth Alloy Rod, Bar and Wire, **02.01**

**B968/B968M-10** Test Method for Flattening of Copper and Copper-Alloy Pipe and Tube, **02.01**

**B969/B969M-11** Specification for Aluminum-Alloy Castings Produced by the Squeeze Casting, Thixocast and Rheocast Semi-Solid Casting Processes, **02.02**

**B970-09** Test Method for Cleanliness of Powder Metallurgy (PM) Bearings and Structural Parts, **02.05**

**B971-10** Specification for Silver-Coated Braid and Ribbon Flat Copper Wire intended for use in Electronic Application, **02.03**

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**B977-13** Specification for Titanium and Titanium Ingots, **02.04**

**B978/B978M-14** Specification for Concentric-Lay-Stranded Aluminum Conductors, Composite Reinforced (ACCR), **02.03**

**B979-12** Specification for Non-Specular (NS) Surface Finish on Overhead Aluminum Electrical Conductors, **02.03**

**B981/B981M-12** Specification for Low Leaded Brass Rod, Bar and Shapes, **02.01**

**B982-12** Specification for Sampling and Sample Preparation of Lead and Lead Alloys for Optical Emission Spectrometric OR ICP Analysis, **02.04**

**B983-13a** Specification for Precipitation Hardened or Cold Worked, Seamless Nickel Alloy Pipe and Tube, **02.04**

**B984-12** Specification for Electrodeposited Coatings of Palladium-Cobalt Alloy for Engineering Use, **02.05**

**B985-12** Practice for Sampling Aluminum Ingots, Billets, Castings and Finished or Semi-Finished Wrought Aluminum Products for Compositional Analysis, **02.02**

**B986-13<sup>c1</sup>** Test Method for Determination of Tensile Strength by Mass Method for Stranded Conductors Intended for use in Electronic Application, **02.03**

**B988-13** Specification for Powder Metallurgy (PM) Titanium and Titanium Alloy Structural Components, **02.05**

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- C1 *Withdrawn 1916; Method of Test for Cement; Replaced by C150*
- C2 *Withdrawn 1917; Method of Test for Fireproof Floor Construction; Replaced by E119*
- C3 *Withdrawn 1918; Method of Test for Fireproof Partition Construction; Replaced by E119*
- C4-04(2009)** Specification for Clay Drain Tile and Perforated Clay Drain Tile, **04.05**
- C5-10** Specification for Quicklime for Structural Purposes, **04.01**
- C6 *Withdrawn 1981; Specification for Normal Finishing Hydrated Lime; Replaced by C206*
- C7 *Withdrawn 1980; Specification for Paving Brick*
- C8 *Withdrawn 1941; Definition of Terms Relating to Clay Sewer Pipe*
- C9 *Withdrawn 1942; Specification for Portland Cement; Replaced by C150*
- C10/C10M-14** Specification for Natural Cement, **04.01**
- C11-13** Terminology Relating to Gypsum and Related Building Materials and Systems, **04.01**
- C12-13a** Practice for Installing Vitrified Clay Pipe Lines, **04.05**
- C13 *Withdrawn 1973; Specification for Standard Strength Clay Sewer Pipe; Replaced by C700*
- C14-14** Specification for Nonreinforced Concrete Sewer, Storm Drain, and Culvert Pipe, **04.05**
- C14M-14** Specification for Nonreinforced Concrete Sewer, Storm Drain, and Culvert Pipe (Metric), **04.05**
- C15 *Withdrawn 1930; Specification for Required Safe Crushing Strengths of Sewer Pipe to Carry Loads from Ditch*
- C16-03(2012)** Test Method for Load Testing Refractory Shapes at High Temperatures, **15.01**
- C17 *Withdrawn 1926; Method of Test for Slagging Action of Refractory Materials*
- C18 *Withdrawn 1966; Methods of Test for Chemical Analysis of Refractory Materials*
- C19 *Redesignated 1946 - E119; Methods of Fire Tests of Building Construction and Materials*
- C20-00(2010)** Test Methods for Apparent Porosity, Water Absorption, Apparent Specific Gravity, and Bulk Density of Burned Refractory Brick and Shapes by Boiling Water, **15.01**
- C21 *Withdrawn 1928; Specification for Building Brick; Replaced by C62, C67, C73*
- C22/C22M-00(2010)** Specification for Gypsum, **04.01**
- C23 *Withdrawn 1928; Specification for Calcined Gypsum*
- C24-09(2013)** Test Method for Pyrometric Cone Equivalent (PCE) of Fireclay and High Alumina Refractory Materials, **15.01**
- C25-11** Test Methods for Chemical Analysis of Limestone, Quicklime, and Hydrated Lime, **04.01**
- C26 *Withdrawn 1961; Methods of Testing Gypsum and Gypsum Products; Replaced by C471, C472, C473*
- C27-98(2013)** Classification of Fireclay and High-Alumina Refractory Brick, **15.01**
- C28/C28M-10** Specification for Gypsum Plasters, **04.01**
- C29/C29M-09** Test Method for Bulk Density ("Unit Weight") and Voids in Aggregate, **04.02**
- C30 *Withdrawn 1979; Method of Test for Voids in Aggregate for Concrete; Replaced by C929*
- C31/C31M-12** Practice for Making and Curing Concrete Test Specimens in the Field, **04.02**
- C32-13** Specification for Sewer and Manhole Brick (Made From Clay or Shale), **04.05**
- C33/C33M-13** Specification for Concrete Aggregates, **04.02**
- C34-13** Specification for Structural Clay Load-Bearing Wall Tile, **04.05**
- C35-01(2009)** Specification for Inorganic Aggregates for Use in Gypsum Plaster, **04.01**
- C36/C36M *Withdrawn 2005; Specification for Gypsum Wallboard; Replaced by C1396*
- C37/C37M *Withdrawn 2005; Specification for Gypsum Wallboard; Replaced by C1396*
- C38 *Withdrawn 1994; Method for Panel Spalling Testing Refractory Brick*
- C39/C39M-14a** Test Method for Compressive Strength of Cylindrical Concrete Specimens, **04.02**
- C40/C40M-11** Test Method for Organic Impurities in Fine Aggregates for Concrete, **04.02**
- C41 *Withdrawn 1939; Method of Test for Sieve Analysis of Concrete Aggregates and Lime; Replaced by C136*
- C42/C42M-13** Test Method for Obtaining and Testing Drilled Cores and Sawed Beams of Concrete, **04.02**
- C43 *Withdrawn 2009; Terminology of Structural Clay Products; Replaced by C1232*
- C44 *Withdrawn 1936; Rules for Inspection of Concrete and Reinforced Concrete Work*
- C45 *Withdrawn 1982; Specification for Quicklime and Hydrated Lime for Cooking of Rags in Paper Manufacture; Replaced by C911*
- C46 *Withdrawn 1982; Specification for Quicklime and Limestone for Sulfite Pulp Manufacture; Replaced by C911*
- C47 *Withdrawn 1958; Specification for Hydrated Lime for Varnish Manufacture*
- C48 *Withdrawn 1954; Specification for Quicklime and Hydrated Lime for Use in the Textile Industry*
- C49 *Withdrawn 1982; Specification for Quicklime and Hydrated Lime for Silica Brick Manufacture; Replaced by C911*
- C50/C50M-13** Practice for Sampling, Sample Preparation, Packaging, and Marking of Lime and Limestone Products, **04.01**
- C51-11** Terminology Relating to Lime and Limestone (as used by the Industry), **04.01**
- C52 *Withdrawn 1984; Specification for Gypsum Partition Tile or Block*
- C53 *Withdrawn 1982; Specification for Quicklime and Hydrated Lime for Water Treatment; Replaced by C911*
- C54 *Withdrawn 1940; Specification for Quicklime and Lime for Water Treatment*
- C55-11** Specification for Concrete Building Brick, **04.05**
- C56-13** Specification for Structural Clay Nonloadbearing Tile, **04.05**
- C57 *Withdrawn 1990; Specification for Structural Clay Floor Tile*
- C58 *Withdrawn 1964; Definition of Terms Relating to Sand*
- C59/C59M-00(2011)** Specification for Gypsum Casting Plaster and Gypsum Molding Plaster, **04.01**
- C60 *Withdrawn 1949; Specification for Gypsum Pottery Plaster*
- C61/C61M-00(2011)** Specification for Gypsum Keene's Cement, **04.01**
- C62-13a** Specification for Building Brick (Solid Masonry Units Made From Clay or Shale), **04.05**
- C63 *Withdrawn 1985; Specification for Fireclay Brick Refractories for Malleable Iron Furnaces with Removable Bungs, and for Annealing Ovens*
- C64 *Withdrawn 1984; Specification for Fireclay Brick Refractories for Heavy Duty Stationary Boiler Service*
- C65 *Withdrawn 1940; Specification for Fireclay Brick for Marine Boiler Service*
- C66 *Withdrawn 1937; Specification for Sand for Use in Lime Plaster; Replaced by C35*
- C67-13a** Test Methods for Sampling and Testing Brick and Structural Clay Tile, **04.05**
- C68 *Withdrawn 1937; Method of Test for Specific Gravity of Fine Aggregate; Replaced by C128*
- C69 *Withdrawn 1943; Method of Test for Voids in Inundated Fine Aggregate*
- C70-13** Test Method for Surface Moisture in Fine Aggregate, **04.02**
- C71-12** Terminology Relating to Refractories, **15.01**
- C72 *Withdrawn 1949; Specification for Calcined Gypsum for Dental Plasters*
- C73-10** Specification for Calcium Silicate Brick (Sand-Lime Brick), **04.05**
- C74 *Withdrawn 1942; Specification for Portland Cement; Replaced by C150*
- C75 *Withdrawn 1957; Specification for Reinforced Concrete Sewer Pipe; Combined with C 76*
- C76-14** Specification for Reinforced Concrete Culvert, Storm Drain, and Sewer Pipe, **04.05**
- C76M-14** Specification for Reinforced Concrete Culvert, Storm Drain, and Sewer Pipe (Metric), **04.05**
- C77 *Withdrawn 1945; Test Method for Specific Gravity of Hydraulic Cement; Replaced by C183, C184, C187, C188, C191*
- C78/C78M-10<sup>1</sup>** Test Method for Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading), **04.02**
- C79/C79M *Withdrawn 2005; Specification for Gypsum Wallboard; Replaced by C1396*
- C80 *Withdrawn 1943; Specification for Curing Portland-Cement Concrete*
- C81 *Withdrawn 1943; Method of Curing Portland-Cement Concrete Slabs with Bituminous Coverings*
- C82 *Withdrawn 1943; Method of Curing Portland-Cement Concrete Slabs with Calcium Chloride Admixture*
- C83 *Withdrawn 1943; Method of Curing Portland-Cement Concrete Slabs by Surface Application of Calcium Chloride*
- C84 *Withdrawn 1943; Method of Curing Portland-Cement Concrete Slabs with Wet Coverings*
- C85 *Withdrawn 1989; Method of Test for Cement Content of Hardened Portland Cement Concrete; Replaced by C1084*
- C86 *Withdrawn 1937; Method of Test for Specific Gravity and Absorption of Coarse Aggregates; Replaced by C127*
- C87/C87M-10** Test Method for Effect of Organic Impurities in Fine Aggregate on Strength of Mortar, **04.02**
- C88-13** Test Method for Soundness of Aggregates by Use of Sodium Sulfate or Magnesium Sulfate, **04.02**
- C89 *Withdrawn 1938; Method of Test for Soundness of Coarse Aggregates by Use of Sodium Sulfate, or Magnesium Sulfate; Replaced by C88*
- C90-14** Specification for Loadbearing Concrete Masonry Units, **04.05**
- C91/C91M-12** Specification for Masonry Cement, **04.01**
- C92-95(2010)** Test Methods for Sieve Analysis and Water Content of Refractory Materials, **15.01**
- C93 *Withdrawn 1992; Test Methods for Cold Crushing Strength and Modulus of Rupture of Insulating Firebrick*
- C94/C94M-14a** Specification for Ready-Mixed Concrete, **04.02**
- C95 *Withdrawn 1938; Method of Test for Specific Gravity and Absorption of Course Aggregate; Replaced by C127, C128*
- C96 *Withdrawn 1937; Method of Test for Specific Gravity and Absorption of Fine Aggregate; Replaced by C127, C128*
- C97/C97M-09** Test Methods for Absorption and Bulk Specific Gravity of Dimension Stone, **04.07**
- C98 *Withdrawn 1941; Method of Test for Compressive Strength of Natural Building Stone; Replaced by C170*
- C99/C99M-09** Test Method for Modulus of Rupture of Dimension Stone, **04.07**
- C100 *Withdrawn 1951; Method of Test for Modulus of Elasticity of Natural Building Stone*
- C101 *Withdrawn 1942; Method of Sampling Natural Building Stone and Preparation of Sample for Testing*
- C102 *Withdrawn 1951; Method of Shear Testing of Natural Building Stone*
- C103 *Withdrawn 1942; Method of Tension Testing of Natural Building Stone*



C104 *Withdrawn 1942; Definition of Terms Relating to Natural Building Stone*  
 C105 *Withdrawn 1984; Specification for Ground Fire Clay as a Refractory Mortar for Laying-Up Fireclay Brick*  
 C106 *Withdrawn 1973; Specification for Refractories for Incinerators*  
 C107 *Withdrawn 1994; Method of Panel Spalling Testing High-Duty Fireclay Brick*  
 C108-46(2013) Symbols for Heat Transmission, **15.01**  
 C109/C109M-13 Test Method for Compressive Strength of Hydraulic Cement Mortars (Using 2-in. or 50-mm Cube Specimens), **04.01**  
 C110-11 Test Methods for Physical Testing of Quicklime, Hydrated Lime, and Limestone, **04.01**  
 C111 *Withdrawn 1950; Specification for Sodium Silicate for Curing Concrete*  
 C112 *Withdrawn 1974; Methods of Sampling and Testing Structural Clay Tile; Combined with C 67*  
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 C114-13 Test Methods for Chemical Analysis of Hydraulic Cement, **04.01**  
 C115/C115M-10<sup>1</sup> Test Method for Fineness of Portland Cement by the Turbidimeter, **04.01**  
 C116 *Withdrawn 1999; Test Method for Compressive Strength of Concrete Using Portions of Beams Broken in Flexure*  
 C117-13 Test Method for Materials Finer than 75- $\mu$ m (No. 200) Sieve in Mineral Aggregates by Washing, **04.02**  
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 C122 *Withdrawn 1994; Test Method for Panel Spalling Testing Super-Duty Fireclay Brick*  
 C123/C123M-12 Test Method for Lightweight Particles in Aggregate, **04.02**  
 C124 *Withdrawn 1974; Method of Test for Flow of Portland-Cement Concrete by Use of the Flow Table*  
 C125-13b Terminology Relating to Concrete and Concrete Aggregates, **04.02**  
 C126-14 Specification for Ceramic Glazed Structural Clay Facing Tile, Facing Brick, and Solid Masonry Units, **04.05**  
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 C129-11 Specification for Nonloadbearing Concrete Masonry Units, **04.05**  
 C130 *Withdrawn 1955; Specification for Lightweight Aggregates for Concrete; Replaced by C330, C331, C332*  
 C131/C131M-14 Test Method for Resistance to Degradation of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine, **04.02**  
 C132 *Withdrawn 1944; Specification for Fire-Retardant Properties of Wood for Scaffolding and Shoring*  
 C133-97(2008)<sup>1</sup> Test Methods for Cold Crushing Strength and Modulus of Rupture of Refractories, **15.01**  
 C134-95(2010) Test Methods for Size, Dimensional Measurements, and Bulk Density of Refractory Brick and Insulating Firebrick, **15.01**  
 C135-96(2009)<sup>1</sup> Test Method for True Specific Gravity of Refractory Materials by Water Immersion, **15.01**  
 C136-06 Test Method for Sieve Analysis of Fine and Coarse Aggregates, **04.02**  
 C137 *Withdrawn 1991; Specification for Solid Load-Bearing Concrete Masonry Units; Replaced by C90*  
 C138/C138M-14 Test Method for Density (Unit Weight), Yield, and Air Content (Gravimetric) of Concrete, **04.02**  
 C139-11 Specification for Concrete Masonry Units for Construction of Catch Basins and Manholes, **04.05**  
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 C145 *Withdrawn 1992; Specification for Load-Bearing Concrete Masonry Units; Replaced by C90*  
 C146-94a(2009) Test Methods for Chemical Analysis of Glass Sand, **15.02**  
 C147-86(2010) Test Methods for Internal Pressure Strength of Glass Containers, **15.02**  
 C148-12 Test Methods for Polariscope Examination of Glass Containers, **15.02**  
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 C151/C151M-09 Test Method for Autoclave Expansion of Hydraulic Cement, **04.01**  
 C152 *Redesignated 1941 - E152; Methods of Fire Tests of Door Assemblies*  
 C153 *Withdrawn 1973; Specification for Refractories for Moderate Duty Stationary Boiler Service; Combined with C 64*  
 C154 *Withdrawn 1985; Method of Test for Warpage of Refractory Brick and Tile, or Deviation from Plane Surface*  
 C155-97(2013) Classification of Insulating Firebrick, **15.01**  
 C156-11 Test Method for Water Loss from a Mortar Specimen Through Liquid

Membrane-Forming Curing Compounds for Concrete, **04.02**  
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 C158-02(2012) Test Methods for Strength of Glass by Flexure (Determination of Modulus of Rupture), **15.02**  
 C159-06(2011) Specification for Vitrified Clay Filter Blocks, **04.05**  
 C160 *Withdrawn 1960; Specification for Mortar for Unit Masonry*  
 C161 *Withdrawn 1959; Specification for Mortar for Unit Masonry*  
 C162-05(2010) Terminology of Glass and Glass Products, **15.02**  
 C163-05(2010) Practice for Mixing Thermal Insulating Cement Samples, **04.06**  
 C164 *Withdrawn 1962; Method of Test for Storage Density of Thermal Insulating Cement*  
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 C176 *Withdrawn 1973; Specification for Fireday Plastic Refractories for Boiler and Incinerator Services; Replaced by C64*  
 C177-13 Test Method for Steady-State Heat Flux Measurements and Thermal Transmission Properties by Means of the Guarded-Hot-Plate Apparatus, **04.06**  
 C178 *Withdrawn 1973; Specification for Air-Setting Refractory Mortar (Wet Type) for Boiler and Incinerator Services*  
 C179-11 Test Method for Drying and Firing Linear Change of Refractory Plastic and Ramming Mix Specimens, **15.01**  
 C180 *Withdrawn 1986; Method of Panel Spalling Testing Fireclay Plastic Refractories*  
 C181-11 Test Method for Workability Index of Fireclay and High-Alumina Refractory Plastics, **15.01**  
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 C184 *Withdrawn 2002; Test Method for Fineness of Hydraulic Cement by the 150- $\mu$ m (No. 100) and 75- $\mu$ m (No. 200) Sieves*  
 C185-08 Test Method for Air Content of Hydraulic Cement Mortar, **04.01**  
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 C189 *Withdrawn 1957; Method of Test for Soundness of Hydraulic Cement Over Boiling Water (Pat Test) of Portland Cement*  
 C190 *Withdrawn 1991; Test Method for Tensile Strength of Hydraulic Cement Mortars*  
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 C193 *Withdrawn 1977; Specification for Magnesite Thermal Insulating Cement*  
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 C197 *Withdrawn 1978; Specification for Diatomaceous Silica Thermal Insulating Cement*  
 C198-09(2013) Test Method for Cold Bonding Strength of Refractory Mortar, **15.01**  
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 C200 *Withdrawn 1973; Specification for Extra Strength Clay Pipe; Replaced by C700*  
 C201-93(2013) Test Method for Thermal Conductivity of Refractories, **15.01**  
 C202-93(2013) Test Method for Thermal Conductivity of Refractory Brick, **15.01**  
 C203-05a(2012) Test Methods for Breaking Load and Flexural Properties of Block-Type Thermal Insulation, **04.06**  
 C204-11 Test Methods for Fineness of Hydraulic Cement by Air-Permeability Apparatus, **04.01**  
 C205 *Withdrawn 1968; Specification for Portland Blast-Furnace Cement; Replaced by C595*  
 C206-03(2009) Specification for Finishing Hydrated Lime, **04.01**  
 C207-06(2011) Specification for Hydrated Lime for Masonry Purposes, **04.01**  
 C208-12 Specification for Cellulosic Fiber Insulating Board, **04.06**  
 C209-12 Test Methods for Cellulosic Fiber Insulating Board, **04.06**

**C210-95(2007)\*<sup>1</sup>** Test Method for Reheat Change of Insulating Firebrick, **15.01**  
**C211** *Withdrawn 1973; Specification for Standard Strength Perforated Clay Pipe; Replaced by C700*  
**C212-14** Specification for Structural Clay Facing Tile, **04.05**  
**C213** *Withdrawn 1973; Specification for Alumina-Silica Castable Refractories for Boiler Furnaces and Incinerators; Combined with C 64*  
**C214** *Withdrawn 1955; Method of Test for Measuring Water Vapor of Materials in Sheet Form; Replaced by E96*  
**C215-08** Test Method for Fundamental Transverse, Longitudinal, and, **04.02**  
**C216-14** Specification for Facing Brick (Solid Masonry Units Made from Clay or Shale), **04.05**  
**C217/C217M-09** Test Method for Weather Resistance of Slate, **04.07**  
**C218** *Withdrawn 1965; Method of Test for Combined Effect of Temperature Cycles and Weak Salt Solution on Natural Building stone*  
**C219-14** Terminology Relating to Hydraulic Cement, **04.01**  
**C220-91(2009)** Specification for Flat Asbestos-Cement Sheets, **04.05**  
**C221-98(2008)** Specification for Corrugated Asbestos-Cement Sheets, **04.05**  
**C222-97(2008)** Specification for Asbestos-Cement Roofing Shingles, **04.05**  
**C223-98(2008)** Specification for Asbestos-Cement Siding, **04.05**  
**C224-78(2009)** Practice for Sampling Glass Containers, **15.02**  
**C225-85(2009)** Test Methods for Resistance of Glass Containers to Chemical Attack, **15.02**  
**C226-12** Specification for Air-Entraining Additions for Use in the Manufacture of Air-Entraining Hydraulic Cement, **04.01**  
**C227-10** Test Method for Potential Alkali Reactivity of Cement-Aggregate, **04.02**  
**C228** *Withdrawn 1956; Method of Test for Sodium Oxide and Potassium Oxide in Portland Cement by Flame Photometry; Replaced by C114*  
**C229** *Withdrawn 1955; Method of Test for Setting Time of Hydraulic Cement in Mortar (Replacement Card)*  
**C230/C230M-13** Specification for Flow Table for Use in Tests of Hydraulic Cement, **04.01**  
**C231/C231M-14** Test Method for Air Content of Freshly Mixed Concrete by the Pressure Method, **04.02**  
**C232/C232M-14** Test Method for Bleeding of Concrete, **04.02**  
**C233/C233M-11** Test Method for Air-Entraining Admixtures for Concrete, **04.02**  
**C234** *Withdrawn 2000; Test Method for Comparing Concretes on the Basis of the Bond Developed with Reinforcing Steel*  
**C235** *Withdrawn 1978; Method of Test for Scratch Hardness of Coarse Aggregate Particles; Replaced by C851*  
**C236** *Withdrawn 2001; Test Method for Steady-State Thermal Performance of Building Assemblies by Means of a Guarded Hot Box; Replaced by C1363*  
**C237** *Withdrawn 1974; Method of Sampling Magnesium Oxychloride Compositions and Ingredients*  
**C238** *Withdrawn 1974; Method of Test for Sieve Analysis of Magnesium Oxychloride Compositions, Aggregates, and Fillers*  
**C239** *Withdrawn 1974; Method of Test for Sieve Analysis of Plastic Calcined Magnesia*  
**C240-08(2012)** Test Methods of Testing Cellular Glass Insulation Block, **04.06**  
**C241/C241M-13** Test Method for Abrasion Resistance of Stone Subjected to Foot Traffic, **04.07**  
**C242-14** Terminology of Ceramic Whitewares and Related Products, **15.02**  
**C243** *Withdrawn 2001; Test Method for Bleeding of Cement Pastes and Mortars*  
**C244** *Withdrawn 1974; Methods for Chemical Analysis of Magnesium Sulfate, Technical Grade*  
**C245** *Withdrawn 1974; Methods for Chemical Analysis of Magnesium Chloride*  
**C246** *Withdrawn 1974; Methods for Physical Testing of Magnesia for Magnesium Oxychloride Cements*  
**C247** *Withdrawn 1974; Methods of Test for Ignition Loss and Active Calcium Oxide in Magnesium Oxide for Use in Magnesium Oxychloride Cements*  
**C248** *Withdrawn 1974; Method of Test for Bulk Density of Magnesium Oxychloride Cements*  
**C249** *Withdrawn 1974; Method of Slump Test for Field Consistency of Magnesium Oxychloride Cements*  
**C250** *Withdrawn 1974; Method for Field Determination of Specific Gravity of Gauging Solutions for Magnesium Oxychloride Cements*  
**C251** *Withdrawn 1974; Method for Mixing Magnesium Oxychloride Cement Compositions with Gauging Solution (for Preparation of Specimens for Laboratory Tests)*  
**C252** *Withdrawn 1974; Method of Test for Linear Contraction of Magnesium Oxychloride Cements*  
**C253** *Withdrawn 1974; Method of Test for Linear Change of Magnesium Oxychloride Cements*  
**C254** *Withdrawn 1974; Method of Test for Setting Time of Magnesium Oxychloride Cements*  
**C255** *Withdrawn 1974; Method of Test for Consistency of Magnesium Oxychloride Cements by the Flow Table*  
**C256** *Withdrawn 1974; Method of Test for Flexural Strength of Magnesium Oxychloride Cements (Using Simple Bar with Two-Point or Single-Point Loading)*  
**C257** *Withdrawn 1974; Method of Test for Compressive Strength of Magnesium Oxychloride Cements*  
**C258** *Withdrawn 1982; Specification for Quicklime for Calcium Chloride Manufacture; Replaced by C911*  
**C259** *Withdrawn 1982; Specification for Hydrated Lime for Grease Manufacture; Replaced by C911*  
**C260/C260M-10a** Specification for Air-Entraining Admixtures for Concrete, **04.02**

**C261** *Withdrawn 1965; Specification for Standard Strength of Unglazed Clay Pipe*  
**C262** *Withdrawn 1979; Specification for Mineral Fiber Batt Insulation (Industrial Type)*  
**C263** *Withdrawn 1967; Specification for Mineral Fiber Blanket Insulation (Metal-Mesh Covered)(Industrial Type); Replaced by C592*  
**C264** *Withdrawn 1966; Specification for Mineral Fiber Felt Insulation (Industrial Type) for low temperatures; Replaced by C553*  
**C265-08** Test Method for Water-Extractable Sulfate in Hydrated Hydraulic Cement Mortar, **04.01**  
**C266-13** Test Method for Time of Setting of Hydraulic-Cement Paste by Gillmore Needles, **04.01**  
**C267-01(2012)** Test Methods for Chemical Resistance of Mortars, Grouts, and Monolithic Surfacing and Polymer Concretes, **06.02**  
**C268** *Withdrawn 1979; Method of Test for Modulus of Rupture of Castable Refractories; Replaced by C860, C862, C865*  
**C269** *Withdrawn 1979; Method of Test for Permanent Linear Change on Firing of Castable Refractories; Replaced by C860, C862, C865*  
**C270-12a** Specification for Mortar for Unit Masonry, **04.05**  
**C271/C271M-11** Test Method for Density of Sandwich Core Materials, **15.03**  
**C272/C272M-12** Test Method for Water Absorption of Core Materials for Sandwich Constructions, **15.03**  
**C273/C273M-11** Test Method for Shear Properties of Sandwich Core Materials, **15.03**  
**C274-07** Terminology of Structural Sandwich Constructions, **15.03**  
**C275** *Withdrawn 1973; Specification for Oxychloride Magnesia*  
**C276** *Withdrawn 1974; Specification for Magnesium Chloride*  
**C277** *Withdrawn 1974; Specification for Magnesium Sulfate, Technical Grade*  
**C278** *Withdrawn 1965; Specification for Extra Strength Unglazed Clay Pipe; Replaced by C700*  
**C279-13a** Specification for Chemical-Resistant Masonry Units, **04.05**  
**C280** *Withdrawn 1967; Specification for Mineral Fiber Blanket-Type Pipe Insulation; Replaced by C592*  
**C281** *Withdrawn 1965; Specification for Mineral Fiber Preformed Pipe Insulation for Elevated Temperatures; Replaced by C547*  
**C282-10** Test Method for Acid Resistance of Porcelain Enamels, **02.05**  
**C283-13** Test Methods for Resistance of Porcelain Enamels to Boiling Acid, **02.05**  
**C284** *Withdrawn 1963; Method of Test for Impact Resistance of Porcelain Enamels Utensils*  
**C285-10** Test Methods for Sieve Analysis of Wet-Milled and Dry-Milled Porcelain Enamel, **02.05**  
**C286-99(2009)** Terminology Relating to Porcelain Enamel and Ceramic-Metal Systems, **02.05**  
**C287-98(2012)** Specification for Chemical-Resistant Sulfur Mortar, **04.05**  
**C288-87(2009)** Test Method for Disintegration of Refractories in an Atmosphere of Carbon Monoxide, **15.01**  
**C289-07** Test Method for Potential Alkali-Silica Reactivity of Aggregates (Chemical Method), **04.02**  
**C290** *Withdrawn 1972; Method of Test for Resistance of Concrete Specimens to Rapid Freezing and Thawing in Water; Replaced by C666*  
**C291** *Withdrawn 1972; Method of Test for Resistance of Concrete Specimens to Rapid Freezing in Air and Thawing in Water; Replaced by C666*  
**C292** *Withdrawn 1966; Method of Test for Resistance of Concrete Specimens to Slow Freezing and Thawing in Water or Brine*  
**C293/C293M-10** Test Method for Flexural Strength of Concrete (Using Simple Beam With Center-Point Loading), **04.02**  
**C294-12** Descriptive Nomenclature for Constituents of Concrete Aggregates, **04.02**  
**C295/C295M-12** Guide for Petrographic Examination of Aggregates for Concrete, **04.02**  
**C296/C296M-00(2009)\*<sup>1</sup>** Specification for Asbestos-Cement Pressure Pipe, **04.05**  
**C297/C297M-04(2010)** Test Method for Flatwise Tensile Strength of Sandwich Constructions, **15.03**  
**C298** *Withdrawn 1973; Specification for Cellular Asbestos Paper Thermal Insulation for Pipes*  
**C299** *Withdrawn 1973; Specification for Laminated Asbestos Thermal Insulation for Pipes*  
**C300** *Withdrawn 1964; Specification for Mineral Fiber Preformed Pipe Insulation for Low Temperatures; Replaced by C547*  
**C301-13** Test Methods for Vitrified Clay Pipe, **04.05**  
**C302-13** Test Method for Density and Dimensions of Preformed Pipe-Covering-Type Thermal Insulation, **04.06**  
**C303-10** Test Method for Dimensions and Density of Preformed Block and Board-Type Thermal Insulation, **04.06**  
**C304** *Withdrawn 1957; Method of Test for Vibration Resistance of Preformed Thermal Insulation for Pipes*  
**C305-13** Practice for Mechanical Mixing of Hydraulic Cement Pastes and Mortars of Plastic Consistency, **04.01**  
**C306** *Withdrawn 1972; Method of Test for Compressive Strength of Chemical-Resistant Resin Mortars*  
**C307-03(2012)** Test Method for Tensile Strength of Chemical-Resistant Mortar, Grouts, and Monolithic Surfacing, **06.02**  
**C308-00(2012)\*<sup>1</sup>** Test Methods for Working, Initial Setting, and Service Strength Setting Times of Chemical-Resistant Resin Mortars, **06.02**  
**C309-11** Specification for Liquid Membrane-Forming Compounds for Curing Concrete, **04.02**  
**C310** *Withdrawn 1965; Method of Test for Resistance of Concrete Specimens to Slow Freezing in Air and Thawing in Water*

- C311/C311M-13** Test Methods for Sampling and Testing Fly Ash or Natural Pozzolans for Use in Portland-Cement Concrete, **04.02**
- C312 Withdrawn 1967; Recommended Practice for Clearance of Preformed Thermal Pipe Insulation; Replaced by C585*
- C313 Withdrawn 1989; Method of Test for Adherence of Porcelain Enamel and Ceramic Coatings to Sheet Metal*
- C314 Withdrawn 1981; Test Method for Flatness of Porcelain Enameled Panels*
- C315-07(2011)** Specification for Clay Flue Liners and Chimney Pots, **04.05**
- C316 Withdrawn 1986; Classification of Single- and Double-Screened Ground Refractory Materials*
- C317/C317M-00(2010)** Specification for Gypsum Concrete, **04.01**
- C318/C318M-13** Specification for Gypsum Formboard, **04.01**
- C319 Withdrawn 1963; Specification for 85 Percent Magnesia Block-Type Thermal Insulation; Replaced by C489*
- C320 Withdrawn 1963; Specification for 85 Percent Magnesia Thermal Insulation; Replaced by C489*
- C321-00(2012)** Test Method for Bond Strength of Chemical-Resistant Mortars, **04.05**
- C322-09** Practice for Sampling Ceramic Whiteware Clays, **15.02**
- C323-56(2011)** Test Methods for Chemical Analysis of Ceramic Whiteware Clays, **15.02**
- C324-01(2014)** Test Method for Free Moisture in Ceramic Whiteware Clays, **15.02**
- C325-07(2014)** Guide for Wet Sieve Analysis of Ceramic Whiteware Clays, **15.02**
- C326-09** Test Method for Drying and Firing Shrinkages of Ceramic Whiteware Clays, **15.02**
- C327 Withdrawn 1980; Method of Test for Linear Thermal Expansion of Fired Ceramic Whiteware Materials by the Interferometric Method; Replaced by C539*
- C328 Withdrawn 1972; Test Methods for Modulus of Rupture of Fired, Dry-Pressed Ceramic Whiteware Specimens at Normal Temperature; Replaced by C674*
- C329-88(2011)** Test Method for Specific Gravity of Fired Ceramic Whiteware Materials, **15.02**
- C330/C330M-14** Specification for Lightweight Aggregates for Structural Concrete, **04.02**
- C331/C331M-14** Specification for Lightweight Aggregates for Concrete Masonry Units, **04.02**
- C332-09** Specification for Lightweight Aggregates for Insulating Concrete, **04.02**
- C333 Withdrawn 1963; Specification for Diatomaceous Earth Thermal Block Insulation; Replaced by C517*
- C334 Withdrawn 1963; Specification for Diatomaceous Earth Thermal Insulation for Pipes; Replaced by C517*
- C335/C335M-10<sup>1</sup>** Test Method for Steady-State Heat Transfer Properties of Pipe Insulation, **04.06**
- C336-71(2010)** Test Method for Annealing Point and Strain Point of Glass by Fiber Elongation, **15.02**
- C337 Withdrawn 1970; Method of Test for Average Linear Expansion of Glass; Replaced by E228*
- C338-93(2013)** Test Method for Softening Point of Glass, **15.02**
- C339 Withdrawn 1970; Specification for Cork Pipe Insulation for Low Temperature; Replaced by C640*
- C340 Withdrawn 1970; Specification for Corkboard Thermal Insulation*
- C341/C341M-13** Practice for Preparation and Conditioning of Cast, Drilled, or Sawed Specimens of Hydraulic-Cement Mortar and Concrete Used for Length Change Measurements, **04.02**
- C342 Withdrawn 2001; Test Method for Potential Volume Change of Cement-Aggregate Combinations*
- C343 Withdrawn 1966; Specification for Cellular Glass Insulating Block; Replaced by C552*
- C344 Withdrawn 1964; Specification for Calcium Silicate Thermal Block Insulation; Replaced by C553*
- C345 Withdrawn 1964; Specification for Calcium Silicate Thermal Insulation for Pipes; Replaced by C553*
- C346-87(2009)** Test Method for 45-deg Specular Gloss of Ceramic Materials, **02.05**
- C347 Withdrawn 1991; Method of Test for Reflectivity and Coefficient of Scatter of White Porcelain Enamels*
- C348-08** Test Method for Flexural Strength of Hydraulic-Cement Mortars, **04.01**
- C349-08** Test Method for Compressive Strength of Hydraulic-Cement Mortars, **04.01**
- C350 Withdrawn 1969; Specification for Fly Ash for Use As an Admixture in Portland Cement Concrete; Replaced by C618*
- C351 Withdrawn 2008; Test Method for Mean Specific Heat of Thermal Insulation*
- C352 Withdrawn 1969; Specification for Corkboard Thermal Insulation; Replaced by C640*
- C353 Withdrawn 2002; Test Method for Adhesion of Dried Thermal Insulating or Finishing Cement*
- C354 Withdrawn 2002; Test Method for Compressive Strength of Thermal Insulating or Finishing Cement*
- C355 Withdrawn 1983; Test Methods for Water Vapor Transmission of Thick Materials; Replaced by E96*
- C356-10** Test Method for Linear Shrinkage of Preformed High-Temperature Thermal Insulation Subjected to Soaking Heat, **04.06**
- C357-07(2009)<sup>1</sup>** Test Method for Bulk Density of Granular Refractory Materials, **15.01**
- C358 Withdrawn 1968; Specification for Slag Cement; Replaced by C595*
- C359-13** Test Method for Early Stiffening of Hydraulic Cement (Mortar Method), **04.01**
- C360 Withdrawn 1999; Test Method for Ball Penetration in Freshly Mixed Hydraulic Cement Concrete*
- C361-14a** Specification for Reinforced Concrete Low-Head Pressure Pipe, **04.05**
- C361M-14** Specification for Reinforced Concrete Low-Head Pressure Pipe (Metric), **04.05**
- C362 Withdrawn 1960; Specification for Reinforced Concrete Onternal Pressure Sewer Pipe*
- C363/C363M-09** Test Method for Node Tensile Strength of Honeycomb Core Materials, **15.03**
- C364/C364M-07(2012)** Test Method for Edgewise Compressive Strength of Sandwich Constructions, **15.03**
- C365/C365M-11a** Test Method for Flatwise Compressive Properties of Sandwich Cores, **15.03**
- C366/C366M-11** Test Methods for Measurement of Thickness of Sandwich Cores, **15.03**
- C367/C367M-09** Test Methods for Strength Properties of Prefabricated Architectural Acoustical Tile or Lay-In Ceiling Panels, **04.06**
- C368-88(2011)** Test Method for Impact Resistance of Ceramic Tableware, **15.02**
- C369 Withdrawn 1972; Method of Test for Modulus of Rupture of Fired, Cast or Extruded Whiteware Products; Replaced by C674*
- C370-12** Test Method for Moisture Expansion of Fired Whiteware Products, **15.02**
- C371-09** Test Method for Wire-Cloth Sieve Analysis of Nonplastic Ceramic Powders, **15.02**
- C372-94(2012)** Test Method for Linear Thermal Expansion of Porcelain Enamel and Glaze Frits and Fired Ceramic Whiteware Products by the Dilatometer Method, **15.02**
- C373-88(2006)** Test Method for Water Absorption, Bulk Density, Apparent Porosity, and Apparent Specific Gravity of Fired Whiteware Products, **15.02**
- C374-70(2009)** Test Methods for Fusion Flow of Porcelain Enamel Frits (Flow-Button Methods), **02.05**
- C375-58(2011)<sup>1</sup>** Classification of Water Used in Milling of Porcelain Enamel, **02.05**
- C376 Withdrawn 1974; Definition of Terms Relating to Magnesium Oxychloride and Magnesium Oxysulfate Cements*
- C377 Withdrawn 1983; Specification for Precast Reinforced Gypsum Slabs*
- C378 Withdrawn 1968; Specification for Mineral Fiber Block or Board Insulation for Low Temperature; Replaced by C612*
- C379 Withdrawn 1967; Specification for Fly Ash for Use As a Pozzolanic Material With Lime; Replaced by C593*
- C380 Withdrawn 1965; Specification for Annular Ringed Nails for Gypsum Wallboard; Replaced by C514*
- C381 Withdrawn 1965; Specification for Cellular Glass Thermal Insulation for Pipes; Replaced by C552*
- C382 Withdrawn 1965; Specification for Mineral Fiber Blanket and Felt Insulation (Industrial type) for Elevated Temperatures; Replaced by C553*
- C383 Withdrawn 2002; Test Method for Wet Adhesion of Thermal Insulating Cements to Metal*
- C384-04(2011)** Test Method for Impedance and Absorption of Acoustical Materials by Impedance Tube Method, **04.06**
- C385-58(2009)** Test Method for Thermal Shock Resistance of Porcelain-Enameled Utensils, **02.05**
- C386-93(2012)** Practice for Use of Chemical-Resistant Sulfur Mortar, **04.05**
- C387/C387M-11b** Specification for Packaged, Dry, Combined Materials for Concrete and High Strength Mortar, **04.02**
- C388 Withdrawn 1974; Method of Test for Yield of Magnesium Oxychloride Cement (Field Test)*
- C389 Withdrawn 1974; Method of Test for Yield of Magnesium Oxychloride Cement (Laboratory Test)*
- C390-08(2013)** Practice for Sampling and Acceptance of Thermal Insulation Lots, **04.06**
- C391 Withdrawn 1977; Specification for Amosite Asbestos Thermal Insulation for Pipes*
- C392 Withdrawn 1968; Specification for Mineral Fiber Block or Board Thermal Insulation for Elevated Temperatures; Replaced by C612*
- C393/C393M-11<sup>1</sup>** Test Method for Core Shear Properties of Sandwich Constructions by Beam Flexure, **15.03**
- C394/C394M-13** Test Method for Shear Fatigue of Sandwich Core Materials, **15.03**
- C395-01(2012)** Specification for Chemical-Resistant Resin Mortars, **04.05**
- C396 Withdrawn 1983; Method of Test for Compressive Strength of Chemically Setting Silicate and Silica Chemical-Resistant Mortars; Replaced by C579*
- C397-00(2012)** Practice for Use of Chemically Setting Chemical-Resistant Silicate and Silica Mortars, **04.05**
- C398-98(2012)** Practice for Use of Hydraulic Cement Mortars in Chemical-Resistant Masonry, **04.05**
- C399-98(2012)** Practice for Use of Chemical-Resistant Resin Mortars, **04.05**
- C400-98(2013)** Test Methods for Quicklime and Hydrated Lime for Neutralization of Waste Acid, **04.01**
- C401-12** Classification of Alumina and Alumina-Silicate Castable Refractories, **15.01**

- C402 *Withdrawn 1968; Specification for Raw or Calcined Natural Pozzolans for Use As Admixtures in Portland Cement Concrete; Replaced by C618*
- C403/C403M-08** Test Method for Time of Setting of Concrete Mixtures by Penetration Resistance, **04.02**
- C404-11** Specification for Aggregates for Masonry Grout, **04.05**
- C405** *Withdrawn 2006; Practice for Estimating Consistency of Wet-Mixed Thermal Insulating Cement*
- C406/C406M-10** Specification for Roofing Slate, **04.07**
- C407** *Withdrawn 1975; Method of Test for Compressive (Crushing) Strength of Fired Whiteware Materials; Replaced by C773*
- C408-88(2011)** Test Method for Thermal Conductivity of Whiteware Ceramics, **15.02**
- C409** *Withdrawn 1990; Test Method for Torsion Resistance of Laboratory Specimens of Porcelain Enameled Iron and Steel*
- C410-13** Specification for Industrial Floor Brick, **04.05**
- C411-11** Test Method for Hot-Surface Performance of High-Temperature Thermal Insulation, **04.06**
- C412-11** Specification for Concrete Drain Tile, **04.05**
- C412M-11** Specification for Concrete Drain Tile (Metric), **04.05**
- C413-01(2012)** Test Method for Absorption of Chemical-Resistant Mortars, Grouts, Monolithic Surfacing, and Polymer Concretes, **06.02**
- C414-03(2012)** Test Method for Working, Setting, and Service Strength Setting Times of Chemically Setting Chemical-Resistant Silicate and Silica Mortars, **04.05**
- C415** *Withdrawn 1982; Specification for Quicklime and Hydrated Lime for Calcium Silicate Products; Replaced by C911*
- C416-97(2013)** Classification of Silica Refractory Brick, **15.01**
- C417-05(2010)<sup>-1</sup>** Test Method for Thermal Conductivity of Unfired Monolithic Refractories, **15.01**
- C418-12** Test Method for Abrasion Resistance of Concrete by Sandblasting, **04.02**
- C419-08(2013)** Practice for Making and Curing Test Specimens of Mastic Thermal Insulation Coatings, **04.06**
- C420** *Withdrawn 1970; Method of Test for Thermal Conductivity of Insulating Materials at Low Temperatures by Means of the Wilkes Calorimeter*
- C421-08(2014)** Test Method for Tumbling Friability of Preformed Block-Type and Preformed Pipe-Covering-Type Thermal Insulation, **04.06**
- C422** *Withdrawn 1964; Specification for Structural Granite*
- C423-09a** Test Method for Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method, **04.06**
- C424-93(2012)** Test Method for Cracking Resistance of Fired Glazed Whitewares by Autoclave Treatment, **15.02**
- C425-04(2013)** Specification for Compression Joints for Vitrified Clay Pipe and Fittings, **04.05**
- C426-10** Test Method for Linear Drying Shrinkage of Concrete Masonry Units, **04.05**
- C427** *Withdrawn 1981; Method of Test for Moisture Condition of Hardened Concrete by the Relative Humidity Method*
- C428/C428M-05(2011)<sup>-1</sup>** Specification for Asbestos-Cement Nonpressure Sewer Pipe, **04.05**
- C429-01(2011)** Test Method for Sieve Analysis of Raw Materials for Glass Manufacture, **15.02**
- C430-08** Test Method for Fineness of Hydraulic Cement by the 45-m (No. 325) Sieve, **04.01**
- C431** *Withdrawn 1975; Methods for Sampling and Evaluation of Sorptive Mineral Products Used As Floor Absorbents*
- C432** *Withdrawn 1967; Specification for Pozzolans for Use with Lime; Replaced by C593*
- C433** *Withdrawn 1982; Specification for Quicklime and Hydrated Lime for Hypochlorite Bleach Manufacture; Replaced by C911*
- C434** *Withdrawn 1984; Specification for Insulating Firebrick for Linings of Industrial Furnaces Operated with a Neutral or Oxidizing Atmosphere*
- C435** *Withdrawn 2001; Classification of Steel Pouring Pit Fireclay Refractories*
- C436** *Withdrawn 1990; Test Method for Reheat Change of Carbon Refractory Brick and Shapes*
- C437** *Withdrawn 1971; Test Method for Size and Bulk Density of Insulating Fire Brick; Replaced by C134*
- C438** *Withdrawn 1973; Method of Test for Thermal Conductivity of Plastic Refractories; Replaced by C417*
- C439** *Withdrawn 1990; Test Method for Resistance to Thermal Spalling of Silica Brick*
- C440** *Withdrawn 1969; Specification for Cotton Mats for Curing Concrete*
- C441/C441M-11** Test Method for Effectiveness of Pozzolans or Ground Blast-Furnace Slag in Preventing Excessive Expansion of Concrete Due to the Alkali-Silica Reaction, **04.02**
- C442/C442M** *Withdrawn 2005; Specification for Gypsum Wallboard; Replaced by C1396*
- C443-12** Specification for Joints for Concrete Pipe and Manholes, Using Rubber Gaskets, **04.05**
- C443M-11** Specification for Joints for Concrete Pipe and Manholes, Using Rubber Gaskets (Metric), **04.05**
- C444-03(2009)** Specification for Perforated Concrete Pipe, **04.05**
- C444M-03(2009)** Specification for Perforated Concrete Pipe (Metric), **04.05**
- C445** *Withdrawn 1980; Method of Test for Normal Total Emission of Surfaces of Materials 0.01 in. or Less in Thickness at Approximately Room Temperature*
- C446** *Withdrawn 2002; Test Method for Breaking Load and Calculated Modulus of Rupture of Preformed Insulation for Pipes*
- C447-03(2010)** Practice for Estimating the Maximum Use Temperature of Thermal Insulations, **04.06**
- C448-88(2011)<sup>-1</sup>** Test Methods for Abrasion Resistance of Porcelain Enamels, **02.05**
- C449-07(2013)** Specification for Mineral Fiber Hydraulic-Setting Thermal Insulating and Finishing Cement, **04.06**
- C450-08(2014)** Practice for Fabrication of Thermal Insulating Fitting Covers for NPS Piping, and Vessel Lagging, **04.06**
- C451-13** Test Method for Early Stiffening of Hydraulic Cement (Paste Method), **04.01**
- C452/C452M-10** Test Method for Potential Expansion of Portland-Cement, **04.01**
- C453** *Withdrawn 1969; Method of Test for Flexural Strength of Chemically Setting Silicate-Type Chemical-Resistant Mortars; Replaced by C580*
- C454-10** Test Method for Disintegration of Carbon Refractories by Alkali, **15.01**
- C455-07(2013)** Classification of Chrome, Chrome-Magnesia, Magnesia-Chrome, and Magnesia Brick, **15.01**
- C456-13** Test Method for Hydration Resistance of Basic Bricks and Shapes, **15.01**
- C457/C457M-12** Test Method for Microscopical Determination of Parameters of the Air-Void System in Hardened Concrete, **04.02**
- C458/C458M-98(2011)<sup>-1</sup>** Test Method for Organic Fiber Content of Asbestos-Cement Products, **04.05**
- C459/C459M-97(2011)<sup>-1</sup>** Test Methods for Asbestos-Cement Flat Products, **04.05**
- C460** *Withdrawn 2001; Terminology for Asbestos-Cement; Replaced by D2946*
- C461-81(2008)** Test Methods for Mastics and Coatings Used With Thermal Insulation, **04.06**
- C462** *Withdrawn 1965; Specification for Standard Strength Ceramic Glazed Clay Pipe; Replaced by C700*
- C463** *Withdrawn 1965; Specification for Extra Strength Ceramic Glazed Clay Pipe; Replaced by C700*
- C464** *Withdrawn 1990; Test Method for Corrosion Effect of Thermal Insulating Cements on Base Metal*
- C465-10** Specification for Processing Additions for Use in the Manufacture, **04.01**
- C466-03(2012)** Specification for Chemically Setting Silicate and Silica Chemical-Resistant Mortars, **04.05**
- C467-97(2008)** Classification of Mullite Refractories, **15.01**
- C468** *Withdrawn 1984; Classification of Granular Refractory Dolomite*
- C469/C469M-14** Test Method for Static Modulus of Elasticity and Poisson's Ratio of Concrete in Compression, **04.02**
- C470/C470M-09** Specification for Molds for Forming Concrete Test Cylinders Vertically, **04.02**
- C471M-13** Test Methods for Chemical Analysis of Gypsum and Gypsum Products (Metric), **04.01**
- C472-99(2014)** Test Methods for Physical Testing of Gypsum, Gypsum Plasters and Gypsum Concrete, **04.01**
- C473-12** Test Methods for Physical Testing of Gypsum Panel Products, **04.01**
- C474-13** Test Methods for Joint Treatment Materials for Gypsum Board Construction, **04.01**
- C475/C475M-12** Specification for Joint Compound and Joint Tape for Finishing Gypsum Board, **04.01**
- C476-10** Specification for Grout for Masonry, **04.05**
- C477** *Withdrawn 1970; Specification for Cast-in-Place Nonreinforced Concrete Agricultural Pipeline*
- C478-13** Specification for Precast Reinforced Concrete Manhole Sections, **04.05**
- C478M-13** Specification for Precast Reinforced Concrete Manhole Sections (Metric), **04.05**
- C479-04(2013)** Specification for Vitrified Clay Liner Plates, **04.05**
- C480/C480M-08** Test Method for Flexure Creep of Sandwich Constructions, **15.03**
- C481-99(2011)** Test Method for Laboratory Aging of Sandwich Constructions, **15.03**
- C482-02(2009)** Test Method for Bond Strength of Ceramic Tile to Portland Cement Paste, **15.02**
- C483** *Withdrawn 2004; Test Method for Electrical Resistance of Conductive Ceramic Tile*
- C484-99(2009)** Test Method for Thermal Shock Resistance of Glazed Ceramic Tile, **15.02**
- C485-09** Test Method for Measuring Warpage of Ceramic Tile, **15.02**
- C486** *Withdrawn 1974; Method of Test for Spalling Resistance of Porcelain Enameled Aluminum; Replaced by C703*
- C487** *Withdrawn 1982; Method of Test for Resistance to Dropping of Preformed Block-Type Thermal Insulation*
- C488-05(2010)** Test Method for Conducting Exterior Exposure Tests of Finishes for Thermal Insulation, **04.06**
- C489** *Withdrawn 1973; Specification for 85 Percent Magnesia Block and Pipe Thermal Insulation; Replaced by C489*
- C490/C490M-11<sup>-1</sup>** Practice for Use of Apparatus for the Determination of Length Change of Hardened Cement Paste, Mortar, and Concrete, **04.01, 04.02**
- C491** *Withdrawn 1992; Test Method for Modulus of Rupture of Air-Setting Plastic Refractories*
- C492-92(2013)** Test Method for Hydration of Granular Dead-Burned Refractory Dolomite, **15.01**
- C493** *Withdrawn 2002; Test Method for Bulk Density and Porosity of Granular Refractory Materials by Mercury Displacement*
- C494/C494M-13** Specification for Chemical Admixtures for Concrete, **04.02**
- C495/C495M-12** Test Method for Compressive Strength of Lightweight Insulating Concrete, **04.02**

- C496/C496M-11** Test Method for Splitting Tensile Strength of Cylindrical Concrete Specimens, **04.02**
- C497-13<sup>1</sup>** Test Methods for Concrete Pipe, Manhole Sections, or Tile, **04.05**
- C497M-13a<sup>1</sup>** Test Methods for Concrete Pipe, Manhole Sections, or Tile (Metric), **04.05**
- C499-09** Test Method for Facial Dimensions and Thickness of Flat, Rectangular Ceramic Wall and Floor Tile, **15.02**
- C500/C500M-07(2011)<sup>1</sup>** Test Methods for Asbestos-Cement Pipe, **04.05**
- C501-84(2009)** Test Method for Relative Resistance to Wear of Unglazed Ceramic Tile by the Taber Abraser, **15.02**
- C502-09** Test Method for Wedging of Flat, Rectangular Ceramic Wall and Floor Tile, **15.02**
- C503/C503M-10** Specification for Marble Dimension Stone, **04.07**
- C504 Withdrawn 1964; Method of Test for Dry Tensile Bond Strength of Thermal Insulating or Finishing Cements to Thermal Insulations*
- C505-11** Specification for Nonreinforced Concrete Irrigation Pipe with Rubber Gasket Joints, **04.05**
- C505M-11** Specification for Nonreinforced Concrete Irrigation Pipe With Rubber Gasket Joints (Metric), **04.05**
- C506-13a** Specification for Reinforced Concrete Arch Culvert, Storm Drain, and Sewer Pipe, **04.05**
- C506M-14** Specification for Reinforced Concrete Arch Culvert, Storm Drain, and Sewer Pipe (Metric), **04.05**
- C507-14** Specification for Reinforced Concrete Elliptical Culvert, Storm Drain, and Sewer Pipe, **04.05**
- C507M-14** Specification for Reinforced Concrete Elliptical Culvert, Storm Drain, and Sewer Pipe (Metric), **04.05**
- C508/C508M-00(2009)<sup>1</sup>** Specification for Asbestos-Cement Underdrain Pipe, **04.05**
- C509-06(2011)** Specification for Elastomeric Cellular Preformed Gasket and Sealing, **04.07**
- C510-05a(2011)** Test Method for Staining and Color Change of Single- or Multicomponent Joint Sealants, **04.07**
- C511-13** Specification for Mixing Rooms, Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the Testing of Hydraulic Cements and Concretes, **04.01, 04.02**
- C512/C512M-10** Test Method for Creep of Concrete in Compression, **04.02**
- C513-11** Test Method for Obtaining and Testing Specimens of Hardened Lightweight Insulating Concrete for Compressive Strength, **04.02**
- C514-04(2009)<sup>1</sup>** Specification for Nails for the Application of Gypsum Board, **04.01**
- C515-95(2007)** Specification for Chemical-Resistant Ceramic Tower Packings, **05.05**
- C516-08(2013)<sup>1</sup>** Specification for Vermiculite Loose Fill Thermal Insulation, **04.06**
- C517 Withdrawn 1989; Specification for Diatomaceous Earth Block and Pipe Thermal Insulation*
- C518-10** Test Method for Steady-State Thermal Transmission Properties by Means of the Heat Flow Meter Apparatus, **04.06**
- C519 Withdrawn 1995; Test Method for Density of Fibrous Loose Fill Building Insulations*
- C520-04(2010)** Test Methods for Density of Granular Loose Fill Insulations, **04.06**
- C521 Withdrawn 1967; Recommended Practice for Outer Diameters of Rigid Thermal Pipe Insulation for Standard Nominal Pipe Sizes (NPS System); Replaced by C585*
- C522-03(2009)<sup>1</sup>** Test Method for Airflow Resistance of Acoustical Materials, **04.06**
- C523 Withdrawn 1991; Test Method for Light Reflectance of Acoustical Materials by the Integrating Sphere Reflectometer*
- C524 Redesignated F130*
- C525 Redesignated F131*
- C526 Redesignated F132*
- C527 Redesignated F133*
- C528 Withdrawn 1975; Method of Test for Compressive Strength of High-Strength Ceramic Materials; Replaced by C773*
- C529 Withdrawn 1975; Definition of Terms Relating to Sorptive Mineral Materials Used As Floor Absorbents*
- C530-13** Specification for Structural Clay Nonloadbearing Screen Tile, **04.05**
- C531-00(2012)** Test Method for Linear Shrinkage and Coefficient of Thermal Expansion of Chemical-Resistant Mortars, Grouts, Monolithic Surfacing, and Polymer Concretes, **06.02**
- C532 Withdrawn 1993; Specification for Structural Insulating Formboard (Cellulosic Fiber)*
- C533-13** Specification for Calcium Silicate Block and Pipe Thermal Insulation, **04.06**
- C534/C534M-14** Specification for Preformed Flexible Elastomeric Cellular Thermal Insulation in Sheet and Tubular Form, **04.06**
- C535-12** Test Method for Resistance to Degradation of Large-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine, **04.02**
- C536-83(2009)** Test Method for Continuity of Coatings in Glassed Steel Equipment by Electrical Testing, **02.05**
- C537-87(2009)** Test Method for Reliability of Glass Coatings on Glassed Steel Reaction Equipment by High Voltage, **02.05**
- C538-83(2009)** Test Method for Color Retention of Red, Orange, and Yellow Porcelain Enamels, **02.05**
- C539-84(2011)** Test Method for Linear Thermal Expansion of Porcelain Enamel and Glaze Frits and Ceramic Whiteware Materials by Interferometric Method, **02.05**
- C540 Withdrawn 1991; Test Method for Image Gloss of Porcelain Enamel Surfaces*
- C541/C541M-98(2011)<sup>1</sup>** Specification for Linings for Asbestos-Cement Pipe, **04.05**
- C542-05(2011)** Specification for Lock-Strip Gaskets, **04.07**
- C543 Withdrawn 1989; Specification for Slate Blackboards*
- C544-03(2013)** Test Method for Hydration of Dead Burned Magnesite or Periclase Grain, **15.01**
- C545-97(2013)** Classification of Zircon Refractories, **15.01**
- C546 Withdrawn 1985; Method of Test for Load Testing Refractory Brick at High Temperatures, Long Time*
- C547-12** Specification for Mineral Fiber Pipe Insulation, **04.06**
- C548 Withdrawn 1983; Method of Test for Dimensional Stability of Low Temperature Thermal Block and Pipe Insulation*
- C549-06(2012)** Specification for Perlite Loose Fill Insulation, **04.06**
- C550-10** Test Method for Measuring Trueness and Squareness of Rigid Block and Board Thermal Insulation, **04.06**
- C551/C551M-07(2011)<sup>1</sup>** Specification for Asbestos-Cement Fiberboard Insulating Panels, **04.05**
- C552-13** Specification for Cellular Glass Thermal Insulation, **04.06**
- C553-13** Specification for Mineral Fiber Blanket Thermal Insulation for Commercial and Industrial Applications, **04.06**
- C554-93(2011)** Test Method for Cracking Resistance of Fired Glazed Ceramic Whitewares by a Thermal Shock Method, **15.02**
- C555 Withdrawn 1973; Method for Determination of Load Extracted from Glazed Ceramic Surfaces; Replaced by C738*
- C556 Withdrawn 1994; Test Method for Resistance of Overglaze Decorations to Attack by Detergents*
- C557-03(2009)<sup>1</sup>** Specification for Adhesives for Fastening Gypsum Wallboard to Wood Framing, **15.06**
- C558 Withdrawn 1982; Method for Measurement of Lattice Spacing of Nuclear Graphite*
- C559-90(2010)** Test Method for Bulk Density by Physical Measurements of Manufactured Carbon and Graphite Articles, **05.05**
- C560-88(2010)<sup>1</sup>** Test Methods for Chemical Analysis of Graphite, **05.05**
- C561-91(2010)<sup>1</sup>** Test Method for Ash in a Graphite Sample, **05.05**
- C562-91(2010)<sup>1</sup>** Test Method for Moisture in a Graphite Sample, **05.05**
- C563-13** Test Method for Approximation of Optimum SO<sub>3</sub> in Hydraulic Cement Using Compressive Strength, **04.01**
- C564-12** Specification for Rubber Gaskets for Cast Iron Soil Pipe and Fittings, **01.02**
- C565-93(2010)<sup>1</sup>** Test Methods for Tension Testing of Carbon and Graphite Mechanical Materials, **05.05**
- C566-13** Test Method for Total Evaporable Moisture Content of Aggregate by Drying, **04.02**
- C567/C567M-14** Test Method for Determining Density of Structural Lightweight Concrete, **04.02**
- C568/C568M-10** Specification for Limestone Dimension Stone, **04.07**
- C569 Withdrawn 1989; Test Method for Indentation Hardness of Preformed Thermal Insulations*
- C570 Withdrawn 2002; Specification for Oil- and Resin-Base Caulking Compound for Building Construction*
- C571 Withdrawn 1995; Methods for Chemical Analysis of Carbon and Carbon-Ceramic Refractories*
- C572 Withdrawn 1995; Methods for Chemical Analysis of Chrome-Containing Refractories and Chrome Ore*
- C573 Withdrawn 1995; Methods for Chemical Analysis of Fireclay and High-Alumina Refractories*
- C574 Withdrawn 1993; Method for Chemical Analysis of Magnesite and Dolomite Refractories*
- C575 Withdrawn 1995; Methods for Chemical Analysis of Silica Refractories*
- C576 Withdrawn 1994; Methods for Chemical Analysis of Zircon Refractories*
- C577-07<sup>2</sup>** Test Method for Permeability of Refractories, **15.01**
- C578-14** Specification for Rigid, Cellular Polystyrene Thermal Insulation, **04.06**
- C579-01(2012)** Test Methods for Compressive Strength of Chemical-Resistant Mortars, Grouts, Monolithic Surfacing, and Polymer Concretes, **06.02**
- C580-02(2012)** Test Method for Flexural Strength and Modulus of Elasticity of Chemical-Resistant Mortars, Grouts, Monolithic Surfacing, and Polymer Concretes, **06.02**
- C581-03(2008)<sup>1</sup>** Practice for Determining Chemical Resistance of Thermosetting Resins Used in Glass-Fiber-Reinforced Structures Intended for Liquid Service, **08.03**
- C582-09** Specification for Contact-Molded Reinforced Thermosetting Plastic (RTP) Laminates for Corrosion-Resistant Equipment, **08.03**
- C583-10** Test Method for Modulus of Rupture of Refractory Materials at Elevated Temperatures, **15.01**
- C584-81(2011)** Test Method for Specular Gloss of Glazed Ceramic Whitewares and Related Products, **15.02**
- C585-10** Practice for Inner and Outer Diameters of Thermal Insulation for Nominal Sizes of Pipe and Tubing, **04.06**
- C586-11** Test Method for Potential Alkali Reactivity of Carbonate Rocks as Concrete Aggregates (Rock-Cylinder Method), **04.02**
- C587-04(2014)** Specification for Gypsum Veneer Plaster, **04.01**
- C588/C588M Withdrawn 2005; Specification for Gypsum Base for Veneer Plasters; Replaced by C1396/C1396M*
- C589 Withdrawn 1992; Method of Test for Apparent Impact Strength of Preformed Block Type Thermal Insulating Materials*
- C590 Withdrawn 1986; Method of Test for Action on Substrates by Coatings, Adhesives and Joint Sealants Used on or with Thermal Insulations*

- C591-13** Specification for Unfaced Preformed Rigid Cellular Polyisocyanurate, **04.06**
- C592-13** Specification for Mineral Fiber Blanket Insulation and Blanket-Type Pipe Insulation (Metal-Mesh Covered) (Industrial Type), **04.06**
- C593-06(2011)** Specification for Fly Ash and Other Pozzolans for Use With Lime for Soil Stabilization, **04.01**
- C594 Withdrawn 1977; Specification for Compression Couplings for Vitrified Clay Plain-End Pipe; Replaced by C425*
- C595/C595M-14** Specification for Blended Hydraulic Cements, **04.01**
- C596-09** Test Method for Drying Shrinkage of Mortar Containing Hydraulic Cement, **04.01**
- C597-09** Test Method for Pulse Velocity Through Concrete, **04.02**
- C598-93(2013)** Test Method for Annealing Point and Strain Point of Glass by Beam Bending, **15.02**
- C599 Withdrawn 2002; Specification for Conical Process Glass Pipe and Fittings*
- C600-85(2010)** Test Method of Thermal Shock Test on Glass Pipe, **15.02**
- C601-85(2010)** Test Method for Pressure Test on Glass Pipe, **15.02**
- C602-13a** Specification for Agricultural Liming Materials, **04.01**
- C603-14** Test Method for Extrusion Rate and Application Life of Elastomeric Sealants, **04.07**
- C604-02(2012)** Test Method for True Specific Gravity of Refractory Materials by Gas-Comparison Pycnometer, **15.01**
- C605 Withdrawn 1997; Test Method for Reheat Change of Fireclay Nozzles and Sleeves*
- C606 Withdrawn 1989; Test Method for Lap-Joint Strength of Refractory Mortar at Elevated Temperatures*
- C607-88(2010)<sup>e1</sup>** Practice for Coking Large Shapes of Carbon-Bearing Materials, **15.01**
- C608 Withdrawn 1984; Method of Test for Brittle Ring Tensile Strength of Chemically Setting Silicate and Silica Chemical-Resistant Mortars*
- C609-07(2014)** Test Method for Measurement of Light Reflectance Value and Small Color Differences Between Pieces of Ceramic Tile, **15.02**
- C610-11** Specification for Molded Expanded Perlite Block and Pipe Thermal Insulation, **04.06**
- C611-98(2010)<sup>e1</sup>** Test Method for Electrical Resistivity of Manufactured Carbon and Graphite Articles at Room Temperature, **05.05**
- C612-14** Specification for Mineral Fiber Block and Board Thermal Insulation, **04.06**
- C613-97(2008)<sup>e2</sup>** Test Method for Constituent Content of Composite Prepreg by Soxhlet Extraction, **15.03**
- C614-10(2011)<sup>e1</sup>** Test Method for Alkali Resistance of Porcelain Enamels, **02.05**
- C615/C615M-11** Specification for Granite Dimension Stone, **04.07**
- C616/C616M-10** Specification for Quartz-Based Dimension Stone, **04.07**
- C617/C617M-12** Practice for Capping Cylindrical Concrete Specimens, **04.02**
- C618-12a** Specification for Coal Fly Ash and Raw or Calcined Natural Pozzolan for Use in Concrete, **04.02**
- C619 Withdrawn 1982; Method of Test for Chemical Resistance of Asbestos Fiber Reinforced thermosetting Resins Used in Self-Supporting Structures*
- C620 Withdrawn 1996; Test Method for Hydration Resistance of Pitch-Bearing Basic Refractory Brick*
- C621-09** Test Method for Isothermal Corrosion Resistance of Refractories to Molten Glass, **15.01**
- C622 Withdrawn 2000; Test Method for Corrosion Resistance of Refractories to Molten Glass Using the Basin Furnace*
- C623-92(2010)** Test Method for Young's Modulus, Shear Modulus, and Poisson's Ratio for Glass and Glass-Ceramics by Resonance, **15.02**
- C624 Withdrawn 1980; Method for Determination of the DIH Purity of Nuclear Graphite*
- C625-95(2010)** Practice for Reporting Irradiation Results on Graphite, **05.05**
- C626 Withdrawn 1985; Methods for Estimating the Thermal Neutron Absorption Cross Section of Nuclear Graphite*
- C627-10** Test Method for Evaluating Ceramic Floor Tile Installation Systems Using the Robinson-Type Floor Tester, **15.02**
- C628 Withdrawn 1972; Method for Precision Electroformed Wet Sieve Analysis of Nonplastics Ceramic Powders*
- C629/C629M-10** Specification for Slate Dimension Stone, **04.07**
- C630/C630M Withdrawn 2005; Specification for Water-Resistant Gypsum Backing Board*
- C631-09** Specification for Bonding Compounds for Interior Gypsum Plastering, **04.01**
- C632-88(2011)<sup>e1</sup>** Test Method for Reboiling Tendency of Sheet Steel for Porcelain Enameling, **02.05**
- C633-13** Test Method for Adhesion or Cohesion Strength of Thermal Spray Coatings, **02.05**
- C634-13** Terminology Relating to Building and Environmental Acoustics, **04.06**
- C635/C635M-13a** Specification for the Manufacture, Performance, and Testing of Metal Suspension Systems for Acoustical Tile and Lay-in Panel Ceilings, **04.06**
- C636/C636M-13** Practice for Installation of Metal Ceiling Suspension Systems for, **04.06**
- C637-14** Specification for Aggregates for Radiation-Shielding Concrete, **04.02**
- C638-14** Descriptive Nomenclature of Constituents of Aggregates for Radiation-Shielding Concrete, **04.02**
- C639-01(2011)** Test Method for Rheological (Flow) Properties of Elastomeric Sealants, **04.07**
- C640 Withdrawn 1994; Specification for Corkboard and Cork Pipe Thermal Insulation*
- C641-09** Test Method for Iron Staining Materials in Lightweight Concrete Aggregates, **04.02**
- C642-13** Test Method for Density, Absorption, and Voids in Hardened Concrete, **04.02**
- C643 Withdrawn 1982; Test Method for Change in Acoustical Absorption of Ceiling Materials Due to Repainting*
- C644 Withdrawn 1982; Specification for Asbestos-Cement Non-Pressure Small Diameter Sewer Pipe; Replaced by C428*
- C645-13** Specification for Nonstructural Steel Framing Members, **04.01**
- C646 Withdrawn 1984; Specification for Steel Drill Screws for the Application of Gypsum Board to Light-Gage Steel Studs; Replaced by C1002*
- C647-08(2013)** Guide to Properties and Tests of Mastics and Coating Finishes for Thermal Insulation, **04.06**
- C648-04(2009)** Test Method for Breaking Strength of Ceramic Tile, **15.02**
- C649 Withdrawn 1971; Test Method for Hydration of Pitch-Breaking Basic Brick*
- C650-04(2009)** Test Method for Resistance of Ceramic Tile to Chemical Substances, **15.02**
- C651-13** Test Method for Flexural Strength of Manufactured Carbon and Graphite Articles Using Four-Point Loading at Room Temperature, **05.05**
- C652-14** Specification for Hollow Brick (Hollow Masonry Units Made From Clay or Shale), **04.05**
- C653-97(2012)** Guide for Determination of the Thermal Resistance of Low-Density Blanket-Type Mineral Fiber Insulation, **04.06**
- C654-11** Specification for Porous Concrete Pipe, **04.05**
- C654M-11** Specification for Porous Concrete Pipe (Metric), **04.05**
- C655-14** Specification for Reinforced Concrete D-Load Culvert, Storm Drain, and Sewer Pipe, **04.05**
- C655M-14** Specification for Reinforced Concrete D-Load Culvert, Storm Drain, and Sewer Pipe (Metric), **04.05**
- C656-07(2013)** Specification for Structural Insulating Board, Calcium Silicate, **04.06**
- C657-93(2013)** Test Method for D-C Volume Resistivity of Glass, **15.02**
- C658-98(2012)** Specification for Chemical-Resistant Resin Grouts for Brick or Tile, **04.05**
- C659-90(2008)** Specification for Asbestos-Cement Organic-Foam Core Insulating Panels, **04.05**
- C660-81(2010)** Practices for Production and Preparation of Gray Iron Castings for Porcelain Enameling, **02.05**
- C661-06(2011)** Test Method for Indentation Hardness of Elastomeric-Type Sealants by Means of a Durometer, **04.07**
- C662-70(2010)** Specification for Impervious Graphite Pipe and Threading, **05.05**
- C663-98(2008)** Specification for Asbestos-Cement Storm Drain Pipe, **04.05**
- C664-10** Test Methods for Thickness of Diffusion Coating, **02.05**
- C665-12** Specification for Mineral-Fiber Blanket Thermal Insulation for Light Frame Construction and Manufactured Housing, **04.06**
- C666/C666M-03(2008)** Test Method for Resistance of Concrete to Rapid Freezing and Thawing, **04.02**
- C667-09(2014)** Specification for Prefabricated Reflective Insulation Systems for Equipment and Pipe Operating at Temperatures above Ambient Air, **04.06**
- C668-98(2008)** Specification for Asbestos-Cement Transmission Pipe, **04.05**
- C669 Withdrawn 2002; Specification for Glazing Compounds for Back Bedding and Face Glazing of Metal Sash*
- C670-13** Practice for Preparing Precision and Bias Statements for Test Methods for Construction Materials, **04.02**
- C671 Withdrawn 2003; Test Method for Critical Dilation of Concrete Specimens Subjected to Freezing*
- C672/C672M-12** Test Method for Scaling Resistance of Concrete Surfaces Exposed to Deicing Chemicals, **04.02**
- C673-97(2013)** Classification of Fireclay and High-Alumina Plastic Refractories and Ramming Mixes, **15.01**
- C674-13** Test Methods for Flexural Properties of Ceramic Whiteware Materials, **15.02**
- C675-91(2011)** Test Method for Alkali Resistance of Ceramic Decorations on Returnable Beverage Glass Containers, **15.02**
- C676-04(2009)** Test Method for Detergent Resistance of Ceramic Decorations on Glass Tableware, **15.02**
- C677 Withdrawn 1994; Practice for Use of a Polyethylene Terephthalate Reference Film for the Measurement of the Time-Averaged Vapor Pressure in a Controlled Humidity Space*
- C678 Withdrawn 1995; Test Method for Determination of Particle Size Distribution of Alumina or Quartz Using Centrifugal Sedimentation*
- C679-03(2009)<sup>e1</sup>** Test Method for Tack-Free Time of Elastomeric Sealants, **04.07**
- C680-10** Practice for Estimate of the Heat Gain or Loss and the Surface Temperatures of Insulated Flat, Cylindrical, and Spherical Systems by Use of Computer Programs, **04.06**
- C681-14** Test Method for Volatility of Oil- and Resin-Based, Knife-Grade, Channel Glazing Compounds, **04.07**
- C682 Withdrawn 2003; Practice for Evaluation of Frost Resistance of Coarse Aggregates in Air-Entrained Concrete by Critical Dilation Procedures*
- C683 Withdrawn 1984; Method of Test for Compressive and Flexural Strength of Concrete Under Field Conditions*
- C684** *Withdrawn 2012; Test Method for Making, Accelerated Curing, and Testing Concrete Compression Test Specimens, 04.02*
- C685/C685M-11** Specification for Concrete Made by Volumetric Batching and Continuous Mixing, **04.02**

- C686-90(2011)<sup>e1</sup>** Test Method for Parting Strength of Mineral Fiber Batt- and Blanket-Type Insulation, **04.06**
- C687-12** Practice for Determination of Thermal Resistance of Loose-Fill Building Insulation, **04.06**
- C688-14** Specification for Functional Additions for Use in Hydraulic Cements, **04.01**
- C689-09** Test Method for Modulus of Rupture of Unfired Clays, **15.02**
- C690-09** Test Method for Particle Size Distribution of Alumina or Quartz Powders by Electrical Sensing Zone Technique, **15.02**
- C691 Withdrawn 1987; Test Method for Steady-State Thermal Transmission Properties of Nonhomogeneous Pipe Insulation Installed Horizontally; Replaced by C335*
- C692-13** Test Method for Evaluating the Influence of Thermal Insulations on External Stress Corrosion Cracking Tendency of Austenitic Stainless Steel, **04.06**
- C693-93(2013)** Test Method for Density of Glass by Buoyancy, **15.02**
- C694-90a(2011)<sup>e1</sup>** Test Method for Weight Loss (Mass Loss) of Sheet Steel During Immersion in Sulfuric Acid Solution, **02.05**
- C695-91(2010)** Test Method for Compressive Strength of Carbon and Graphite, **05.05**
- C696-11** Test Methods for Chemical, Mass Spectrometric, and Spectrochemical Analysis of Nuclear-Grade Uranium Dioxide Powders and Pellets, **12.01**
- C697-10** Test Methods for Chemical, Mass Spectrometric, and Spectrochemical Analysis of Nuclear-Grade Plutonium Dioxide Powders and Pellets, **12.01**
- C698-10** Test Methods for Chemical, Mass Spectrometric, and Spectrochemical Analysis of Nuclear-Grade Mixed Oxides ((U, Pu)O<sub>2</sub>), **12.01**
- C699 Withdrawn 1992; Methods for Chemical, Mass Spectrometric, and Spectrochemical Analysis of, and Physical Tests on Beryllium Oxide Powder*
- C700-13** Specification for Vitrified Clay Pipe, Extra Strength, Standard Strength, and Perforated, **04.05**
- C701 Withdrawn 1979; Specification for Nuclear Grade Plutonium Metals*
- C702/C702M-11** Practice for Reducing Samples of Aggregate to Testing Size, **04.02**
- C703-72(2011)<sup>e1</sup>** Test Methods for Spalling Resistance of Porcelain Enameled Aluminum, **02.05**
- C704/C704M-12** Test Method for Abrasion Resistance of Refractory Materials at Room Temperature, **15.01**
- C705 Withdrawn 1993; Method for Chemical Analysis of Zirconia Refractories*
- C706-13** Specification for Limestone for Animal Feed Use, **04.01**
- C707 Withdrawn 1982; Specification for Gypsum Board Substrate for Floor or Roof Assemblies*
- C708-08** Specification for Nuclear-Grade Beryllium Oxide Powder, **12.01**
- C709-09** Terminology Relating to Manufactured Carbon and Graphite, **05.05**
- C710 Withdrawn 1980; Specification for Plutonium Nitrate Solutions*
- C711-14** Test Method for Low-Temperature Flexibility and Tenacity of One-Part, Elastomeric, Solvent-Release Type Sealants, **04.07**
- C712-03(2009)** Test Method for Bubbling of One-Part, Elastomeric, Solvent-Release Type Sealants, **04.07**
- C713 Withdrawn 2002; Test Method for Slump of an Oil-Base Knife-Grade Channel Glazing Compound*
- C714-05(2010)** Test Method for Thermal Diffusivity of Carbon and Graphite by Thermal Pulse Method, **05.05**
- C715-90(2011)<sup>e1</sup>** Test Method for Nickel on Steel for Porcelain Enameling by Photometric Analysis, **02.05**
- C716-06(2011)** Specification for Installing Lock-Strip Gaskets and Infill Glazing Materials, **04.07**
- C717-14a** Terminology of Building Seals and Sealants, **04.07**
- C718 Withdrawn 2002; Test Method for Ultraviolet (UV)-Cold Box Exposure of One-Part, Elastomeric, Solvent-Release Type Sealants*
- C719-14** Test Method for Adhesion and Cohesion of Elastomeric Joint Sealants Under Cyclic Movement (Hockman Cycle), **04.07**
- C720 Withdrawn 1999; Specification for Spray-Applied Fibrous Thermal Insulation for Elevated Temperature*
- C721 Withdrawn 2002; Test Method for Average Particle Size of Alumina and Silica Powders by Air Permeability*
- C722-04(2012)** Specification for Chemical-Resistant Monolithic Floor Surfacing, **06.02**
- C723-98(2012)** Practice for Chemical-Resistant Resin Grouts for Brick or Tile, **04.05**
- C724-91(2010)** Test Method for Acid Resistance of Ceramic Decorations on Architectural-Type Glass, **15.02**
- C725-90(2008)** Specification for Semidense Mineral Fiber Siding, **04.05**
- C726-12** Specification for Mineral Wool Roof Insulation Board, **04.06**
- C727-12** Practice for Installation and Use of Reflective Insulation in Building Constructions, **04.06**
- C728-13** Specification for Perlite Thermal Insulation Board, **04.06**
- C729-11** Test Method for Density of Glass by the Sink-Float Comparator, **15.02**
- C730-98(2013)** Test Method for Knoop Indentation Hardness of Glass, **15.02**
- C731-00(2010)** Test Method for Extrudability, After Package Aging, of Latex Sealants, **04.07**
- C732-06(2012)** Test Method for Aging Effects of Artificial Weathering on Latex Sealants, **04.07**
- C733 Withdrawn 2000; Test Method for Volume Shrinkage of Latex Sealants*
- C734-06(2012)** Test Method for Low-Temperature Flexibility of Latex Sealants After Artificial Weathering, **04.07**
- C735-04(2009)** Test Method for Acid Resistance of Ceramic Decorations on Returnable Beer and Beverage Glass Containers, **15.02**
- C736-12** Test Method for Extension-Recovery and Adhesion of Latex Sealants, **04.07**
- C737-13** Specification for Limestone for Dusting of Coal Mines, **04.01**
- C738-94(2011)** Test Method for Lead and Cadmium Extracted from Glazed Ceramic Surfaces, **15.02**
- C739-11** Specification for Cellulosic Fiber Loose-Fill Thermal Insulation, **04.06**
- C740/C740M-13** Guide for Evacuated Reflective Insulation In Cryogenic Service, **04.06**
- C741 Withdrawn 2002; Test Method for Accelerated Aging of Wood Sash Face Glazing Compound*
- C742 Withdrawn 2002; Test Method for Degree of Set for Wood Sash Glazing Compound*
- C743-87(2009)** Test Method for Continuity of Porcelain Enamel Coatings, **02.05**
- C744-11** Specification for Prefaced Concrete and Calcium Silicate Masonry Units, **04.05**
- C745 Withdrawn 2008; Test Method for Heat Flux Through Evacuated Insulations Using a Guarded Flat Plate Boiloff Calorimeter*
- C746-90(2008)** Specification for Corrugated Asbestos-Cement Sheets for Bulkheading, **04.05**
- C747-93(2010)<sup>e1</sup>** Test Method for Moduli of Elasticity and Fundamental Frequencies of Carbon and Graphite Materials by Sonic Resonance, **05.05**
- C748-98(2010)<sup>e1</sup>** Test Method for Rockwell Hardness of Graphite Materials, **05.05**
- C749-13** Test Method for Tensile Stress-Strain of Carbon and Graphite, **05.05**
- C750-09(2014)** Specification for Nuclear-Grade Boron Carbide Powder, **12.01**
- C751-07(2012)** Specification for Nuclear-Grade Boron Carbide Pellets, **12.01**
- C752-13** Specification for Nuclear-Grade Silver-Indium-Cadmium Alloy, **12.01**
- C753-04(2009)** Specification for Nuclear-Grade, Sinterable Uranium Dioxide Powder, **12.01**
- C754-11** Specification for Installation of Steel Framing Members to Receive Screw-Attached Gypsum Panel Products, **04.01**
- C755-10** Practice for Selection of Water Vapor Retarders for Thermal Insulation, **04.06**
- C756-87(2011)<sup>e1</sup>** Test Method for Cleanability of Surface Finishes, **02.05**
- C757-06(2011)<sup>e1</sup>** Specification for Nuclear-Grade Plutonium Dioxide Powder, Sinterable, **12.01**
- C758-04(2010)** Test Methods for Chemical, Mass Spectrometric, Spectrochemical, Nuclear, and Radiochemical Analysis of Nuclear-Grade Plutonium Metal, **12.01**
- C759-10** Test Methods for Chemical, Mass Spectrometric, Spectrochemical, Nuclear, and Radiochemical Analysis of Nuclear-Grade Plutonium Nitrate Solutions, **12.01**
- C760-90(2007)** Test Methods for Chemical and Spectrochemical Analysis of Nuclear-Grade Silver-Indium-Cadmium Alloys, **12.01**
- C761-11** Test Methods for Chemical, Mass Spectrometric, Spectrochemical, Nuclear, and Radiochemical Analysis of Uranium Hexafluoride, **12.01**
- C762 Withdrawn 1999; Practice for Application of Spray-Applied Fibrous Thermal Insulation for Elevated Temperatures*
- C763 Not Assigned*
- C764-11** Specification for Mineral Fiber Loose-Fill Thermal Insulation, **04.06**
- C765-97(2011)** Test Method for Low-Temperature Flexibility of Preformed Tape Sealants, **04.07**
- C766 Withdrawn 1994; Test Method for Adhesion After Impact of Preformed Tape Sealants*
- C767-93(2013)** Test Method for Thermal Conductivity of Carbon Refractories, **15.01**
- C768 Withdrawn 2004; Practice for Drip Slag Testing Refractory Materials at High Temperature*
- C769-09** Test Method for Sonic Velocity in Manufactured Carbon and Graphite Materials for Use in Obtaining an Approximate Young's Modulus, **05.05**
- C770-98(2013)** Test Method for Measurement of Glass Stress—Optical Coefficient, **15.02**
- C771-14** Test Method for Weight Loss After Heat Aging of Preformed Tape Sealants, **04.07**
- C772-03(2014)** Test Method for Oil Migration or Plasticizer Bleed-Out of Preformed Tape Sealants, **04.07**
- C773-88(2011)** Test Method for Compressive (Crushing) Strength of Fired Whiteware Materials, **15.02**
- C774-88(2011)<sup>e1</sup>** Test Method for Yield Strength of Enameling Steels After Straining and Firing, **02.05**
- C775 Withdrawn 2002; Method for Particle-Size Analysis of Whiteware Clays*
- C776-06(2011)** Specification for Sintered Uranium Dioxide Pellets, **12.01**
- C777-04(2009)** Test Method for Sulfide Resistance of Ceramic Decorations on Glass, **15.02**
- C778-13** Specification for Standard Sand, **04.01**
- C779/C779M-12** Test Method for Abrasion Resistance of Horizontal Concrete Surfaces, **04.02**
- C780-12a** Test Method for Preconstruction and Construction Evaluation of Mortars for Plain and Reinforced Unit Masonry, **04.05**
- C781-08** Practice for Testing Graphite and Boronated Graphite Materials for High-Temperature Gas-Cooled Nuclear Reactor Components, **05.05**
- C782-13** Test Method for Softness of Preformed Tape Sealants, **04.07**
- C783-85(2010)<sup>e1</sup>** Practice for Core Sampling of Graphite Electrodes, **05.05**
- C784-05(2012)** Specification for Nuclear-Grade Aluminum Oxide-Boron Carbide Composite Pellets, **12.01**
- C785-08** Specification for Nuclear-Grade Aluminum Oxide Pellets, **12.01**
- C786/C786M-10** Test Method for Fineness of Hydraulic Cement and Raw

- Materials by the 300- $\mu\text{m}$  (No. 50), 150- $\mu\text{m}$  (No. 100), and 75- $\mu\text{m}$  (No. 200) Sieves by Wet Methods, **04.01**
- C787-11** Specification for Uranium Hexafluoride for Enrichment, **12.01**
- C788-03(2009)** Specification for Nuclear-Grade Uranyl Nitrate Solution or Crystals, **12.01**
- C789 Withdrawn 2000; Specification for Precast Reinforced Concrete Box Sections for Culverts, Storm Drains, and Sewers; Replaced by C1433*
- C789M Withdrawn 2000; Specification for Precast Reinforced Concrete Box Sections for Culverts, Storm Drains, and Sewers [Metric]; Replaced by C1433M*
- C790 Withdrawn 1992; Guide for Use of Latex Sealants; Replaced by C1193*
- C791-12** Test Methods for Chemical, Mass Spectrometric, and Spectrochemical Analysis of Nuclear-Grade Boron Carbide, **12.01**
- C792-04(2008)** Test Method for Effects of Heat Aging on Weight Loss, Cracking, and Chalking of Elastomeric Sealants, **04.07**
- C793-05(2010)** Test Method for Effects of Laboratory Accelerated Weathering on Elastomeric Joint Sealants, **04.07**
- C794-10** Test Method for Adhesion-in-Peel of Elastomeric Joint Sealants, **04.07**
- C795-08(2013)** Specification for Thermal Insulation for Use in Contact with Austenitic Stainless Steel, **04.06**
- C796/C796M-12** Test Method for Foaming Agents for Use in Producing Cellular Concrete Using Preformed Foam, **04.02**
- C797 Withdrawn 2002; Practices for Use of Oil- and Resin-Based Putty and Glazing Compounds*
- C798 Withdrawn 1987; Method of Test for Color Permanency of Glazed Ceramic Tile*
- C799-12** Test Methods for Chemical, Mass Spectrometric, Spectrochemical, Nuclear, and Radiochemical Analysis of Nuclear-Grade Uranyl Nitrate Solutions, **12.01**
- C800-14** Specification for Fibrous Glass Blanket Insulation (Aircraft Type), **04.06**
- C801 Withdrawn 2004; Test Method for Determining the Mechanical Properties of Hardened Concrete Under Triaxial Loads*
- C802-09a** Practice for Conducting an Interlaboratory Test Program to Determine the Precision of Test Methods for Construction Materials, **04.02**
- C803/C803M-03(2010)** Test Method for Penetration Resistance of Hardened Concrete, **04.02**
- C804 Withdrawn 1992; Practices for Use of Solvent-Release Type Sealants; Replaced by C1193*
- C805/C805M-13a** Test Method for Rebound Number of Hardened Concrete, **04.02**
- C806-12** Test Method for Restrained Expansion of Expansive Cement Mortar, **04.01**
- C807-13** Test Method for Time of Setting of Hydraulic Cement Mortar by Modified Vicat Needle, **04.01**
- C808-75(2010)<sup>c1</sup>** Guide for Reporting Friction and Wear Test Results of Manufactured Carbon and Graphite Bearing and Seal Materials, **05.05**
- C809-13** Test Methods for Chemical, Mass Spectrometric, and Spectrochemical Analysis of Nuclear-Grade Aluminum Oxide and Aluminum, **12.01**
- C810-90(2011)<sup>c1</sup>** Test Method for Nickel on Steel for Porcelain Enameling by X-Ray Emission Spectrometry, **02.05**
- C811 Withdrawn 2012; Practice for Surface Preparation of Concrete for Application of Chemical-Resistant Resin Monolithic Surfacing*
- C812 Withdrawn 1987; Method of Test for Hydrophobic Contamination on Glass by Water Condensation*
- C813-90(2009)** Test Method for Hydrophobic Contamination on Glass by Contact Angle Measurement, **15.02**
- C814 Not Assigned*
- C815 Not Assigned*
- C816-85(2010)<sup>c1</sup>** Test Method for Sulfur in Graphite by Combustion-Iodometric Titration Method, **05.05**
- C817 Not Assigned*
- C818 Not Assigned*
- C819 Withdrawn 1989; Test Method for Specific Surface Area of Carbon or Graphite*
- C820 Not Assigned*
- C821-14** Specification for Lime for Use with Pozzolans, **04.01**
- C822-13** Terminology Relating to Concrete Pipe and Related Products, **04.05**
- C823/C823M-12** Practice for Examination and Sampling of Hardened, **04.02**
- C824-91(2010)** Practice for Specimen Preparation for Determination of Linear Thermal Expansion of Vitreous Glass Enamels and Glass Enamel Frits by the Dilatometer Method, **15.02**
- C825-06(2011)** Specification for Precast Concrete Barriers, **04.05**
- C826 Withdrawn 1982; Specification for Lime and Limestone Products for Industrial Waste Treatment; Replaced by C911*
- C827/C827M-10** Test Method for Change in Height at Early Ages of Cylindrical Specimens of Cementitious Mixtures, **04.02**
- C828-11** Test Method for Low-Pressure Air Test of Vitrified Clay Pipe Lines, **04.05**
- C829-81(2010)** Practices for Measurement of Liquidus Temperature of Glass by the Gradient Furnace Method, **15.02**
- C830-00(2011)** Test Methods for Apparent Porosity, Liquid Absorption, Apparent Specific Gravity, and Bulk Density of Refractory Shapes by Vacuum Pressure, **15.01**
- C831-98(2013)** Test Methods for Residual Carbon, Apparent Residual Carbon, and Apparent Carbon Yield in Coked Carbon-Containing Brick and Shapes, **15.01**
- C832-00(2010)** Test Method of Measuring Thermal Expansion and Creep of Refractories Under Load, **15.01**
- C833-13** Specification for Sintered (Uranium-Plutonium) Dioxide Pellets, **12.01**
- C834-14** Specification for Latex Sealants, **04.07**
- C835-06(2013)<sup>c1</sup>** Test Method for Total Hemispherical Emittance of Surfaces up to 1400°C, **04.06**
- C836/C836M-12** Specification for High Solids Content, Cold Liquid-Applied Elastomeric Waterproofing Membrane for Use with Separate Wearing Course, **04.04**
- C837-09** Test Method for Methylene Blue Index of Clay, **15.02**
- C838-96(2010)<sup>c1</sup>** Test Method for Bulk Density of As-Manufactured Carbon and Graphite Shapes, **05.05**
- C839-82(2010)** Test Method for Compressive Stress of Porcelain Enamels by Loaded-Beam Method, **02.05**
- C840-13** Specification for Application and Finishing of Gypsum Board, **04.01**
- C841-03(2013)** Specification for Installation of Interior Lathing and Furring, **04.01**
- C842-05(2010)<sup>c1</sup>** Specification for Application of Interior Gypsum Plaster, **04.01**
- C843-99(2012)** Specification for Application of Gypsum Veneer Plaster, **04.01**
- C844-04(2010)** Specification for Application of Gypsum Base to Receive, **04.01**
- C845/C845M-12** Specification for Expansive Hydraulic Cement, **04.01**
- C846-94(2009)** Practice for Application of Cellulosic Fiber Insulating Board for Wall Sheathing, **04.06**
- C847-14** Specification for Metal Lath, **04.01**
- C848-88(2011)** Test Method for Young's Modulus, Shear Modulus, and Poisson's Ratio For Ceramic Whitewares by Resonance, **15.02**
- C849-88(2011)** Test Method for Knoop Indentation Hardness of Ceramic Whitewares, **15.02**
- C850 Withdrawn 2000; Specification for Precast Reinforced Concrete Box Sections for Culverts, Storm Drains, and Sewers with Less Than 0.6 m of Cover Subjected to Highway Loadings; Replaced by C1433*
- C850M Withdrawn 2000; Specifications for Precast Reinforced Concrete Box Sections for Culverts, Storm Drains, and Sewers with Less Than 0.6 m of Cover Subjected to Highway Loadings [Metric]; Replaced by C1433M*
- C851 Withdrawn 1984; Recommended Practice for Estimating Scratch Hardness of Coarse Aggregate Particles*
- C852-09** Guide for Design Criteria for Plutonium Gloveboxes, **12.01**
- C853 Withdrawn 1992; Test Methods for Nondestructive Assay of Special Nuclear Material Contained in Scrap and Waste*
- C854 Withdrawn 1997; Test Method for Resistance to External Loads on Metal Reflective Pipe Insulation*
- C855 Withdrawn 1984; Thermal Resistance Factors for Preformed Above-Deck Roof Insulation*
- C856-14** Practice for Petrographic Examination of Hardened Concrete, **04.02**
- C857-14** Practice for Minimum Structural Design Loading for Underground Precast Concrete Utility Structures, **04.05**
- C858-10<sup>c1</sup>** Specification for Underground Precast Concrete Utility Structures, **04.05**
- C859-14** Terminology Relating to Nuclear Materials, **12.01**
- C860-10** Test Method for Determining the Consistency of Refractory Castable Using the Ball-In-Hand Test, **15.01**
- C861-93(2010)** Practice for Determining Metric Dimensions of Standard Series Refractory Brick and Shapes, **15.01**
- C862-02(2008)** Practice for Preparing Refractory Concrete Specimens by Casting, **15.01**
- C863-00(2010)** Test Method for Evaluating Oxidation Resistance of Silicon Carbide Refractories at Elevated Temperatures, **15.01**
- C864-05(2011)** Specification for Dense Elastomeric Compression Seal Gaskets, Setting Blocks, and Spacers, **04.07**
- C865-13** Practice for Firing Refractory Concrete Specimens, **15.01**
- C866-11** Test Method for Filtration Rate of Ceramic Whiteware Clays, **15.02**
- C867-94(2014)** Test Method for Soluble Sulfate in Ceramic Whiteware Clays (Photometric Method), **15.02**
- C868-02(2012)** Test Method for Chemical Resistance of Protective Linings, **06.02**
- C869/C869M-11** Specification for Foaming Agents Used in Making Preformed Foam for Cellular Concrete, **04.02**
- C870-11** Practice for Conditioning of Thermal Insulating Materials, **04.06**
- C871-11<sup>c1</sup>** Test Methods for Chemical Analysis of Thermal Insulation Materials for Leachable Chloride, Fluoride, Silicate, and Sodium Ions, **04.06**
- C872-10** Test Method for Lead and Cadmium Release from Porcelain Enamel, **02.05**
- C873/C873M-10a** Test Method for Compressive Strength of Concrete Cylinders Cast in Place in Cylindrical Molds, **04.02**
- C874-11a** Test Method for Rotary Slag Testing of Refractory Materials, **15.01**
- C875-98(2008)** Specification for Asbestos-Cement Conduit, **04.05**
- C876-09** Test Method for Corrosion Potentials of Uncoated Reinforcing Steel in Concrete, **03.02, 04.02**
- C877-08** Specification for External Sealing Bands for Concrete Pipe, Manholes, and Precast Box Sections, **04.05**
- C877M-02(2009)** Specification for External Sealing Bands for Concrete Pipe, Manholes, and Precast Box Sections (Metric), **04.05**
- C878/C878M-14a** Test Method for Restrained Expansion of Shrinkage-Compensating Concrete, **04.02**
- C879-03(2014)** Test Methods for Release Papers Used with Preformed Tape Sealants, **04.07**
- C880/C880M-09** Test Method for Flexural Strength of Dimension Stone, **04.07**
- C881/C881M-13** Specification for Epoxy-Resin-Base Bonding Systems for Concrete, **04.02**



- C882/C882M-13a** Test Method for Bond Strength of Epoxy-Resin Systems Used With Concrete By Slant Shear, **04.02**  
*C883 Withdrawn 1996; Test Method for Effective Shrinkage of Epoxy-Resin Systems Used With Concrete*
- C884/C884M-98(2010)** Test Method for Thermal Compatibility Between Concrete and an Epoxy-Resin Overlay, **04.02**
- C885-87(2012)** Test Method for Young's Modulus of Refractory Shapes by Sonic Resonance, **15.01**
- C886-98(2010)<sup>c1</sup>** Test Method for Scleroscope Hardness Testing of Carbon and Graphite Materials, **05.05**
- C887-13** Specification for Packaged, Dry, Combined Materials for Surface Bonding Mortar, **04.05**
- C888-03(2014)** Specification for Nuclear-Grade Gadolinium Oxide (Gd, **12.01**
- C889-11** Test Methods for Chemical and Mass Spectrometric Analysis of Nuclear-Grade Gadolinium Oxide (Gd<sub>2</sub>O<sub>3</sub>) Powder, **12.01**
- C890-13** Practice for Minimum Structural Design Loading for Monolithic or Sectional Precast Concrete Water and Wastewater Structures, **04.05**
- C891-11** Practice for Installation of Underground Precast Concrete Utility Structures, **04.05**
- C892-10** Specification for High-Temperature Fiber Blanket Thermal Insulation, **04.06**  
*C893 Withdrawn 1984; Specification for Type G Steel Screws for the Application of Gypsum Board to Gypsum Board; Replaced by C1002*  
*C894 Withdrawn 1984; Specification for Type W Drill Screws for the Application of Gypsum Board to Wood Framing; Replaced by C1002*
- C895-87(2009)** Test Method for Lead and Cadmium Extracted from Glazed Ceramic Tile, **15.02**
- C896-13** Terminology Relating to Clay Products, **04.05**
- C897-05(2009)** Specification for Aggregate for Job-Mixed Portland Cement-Based Plasters, **04.01**
- C898/C898M-09** Guide for Use of High Solids Content, Cold Liquid-Applied Elastomeric Waterproofing Membrane with Separate Wearing Course, **04.04**
- C899-79(2013)** Practice for Use of Metric Units of Measure for Reporting Properties of Refractory Materials (COMMITTEE C-8 SUPPLEMENT TO E 380), **15.01**
- C900-13a** Test Method for Pullout Strength of Hardened Concrete, **04.02**
- C901-10** Specification for Prefabricated Masonry Panels, **04.05**
- C902-14** Specification for Pedestrian and Light Traffic Paving Brick, **04.05**
- C903-10** Practice for Preparing Refractory Castable Specimens by Cold Gunning, **15.01**
- C904-01(2012)** Terminology Relating to Chemical-Resistant Nonmetallic Materials, **04.05**
- C905-01(2012)** Test Methods for Apparent Density of Chemical-Resistant Mortars, Grouts, Monolithic Surfacing, and Polymer Concretes, **04.05**  
*C906 Withdrawn 2006; Test Method for T-Peel Strength of Hot Applied Sealants*
- C907-03(2012)** Test Method for Tensile Adhesive Strength of Preformed Tape Sealants by Disk Method, **04.07**
- C908-00(2011)** Test Method for Yield Strength of Preformed Tape Sealants, **04.07**
- C909-93(2010)** Practice for Dimensions of a Modular Series of Refractory Brick and Shapes, **15.01**
- C910-06(2011)** Test Method for Bond and Cohesion of One-Part Elastomeric Solvent Release-Type Sealants, **04.07**
- C911-06(2011)** Specification for Quicklime, Hydrated Lime, and Limestone for Selected Chemical and Industrial Uses, **04.01**
- C912-93(2013)** Practice for Designing a Process for Cleaning Technical Glasses, **15.02**
- C913-08** Specification for Precast Concrete Water and Wastewater Structures, **04.05**
- C914-09** Test Method for Bulk Density and Volume of Solid Refractories by Wax Immersion, **15.01**
- C915-79(2010)** Specification for Precast Reinforced Concrete Crib Wall Members, **04.05**
- C916-85(2007)** Specification for Adhesives for Duct Thermal Insulation, **04.06**
- C917-05(2011)** Test Method for Evaluation of Cement Strength Uniformity From a Single Source, **04.01**
- C918/C918M-13** Test Method for Measuring Early-Age Compressive Strength and Projecting Later-Age Strength, **04.02**
- C919-12** Practice for Use of Sealants in Acoustical Applications, **04.07**
- C920-14a** Specification for Elastomeric Joint Sealants, **04.07**
- C921-10** Practice for Determining the Properties of Jacketing Materials for Thermal Insulation, **04.06**
- C922-14** Specification for Sintered Gadolinium Oxide-Uranium Dioxide Pellets, **12.01**
- C923-08(2013)** Specification for Resilient Connectors Between Reinforced Concrete Manhole Structures, Pipes, and Laterals, **04.05**
- C923M-08b(2013)** Specification for Resilient Connectors Between Reinforced Concrete Manhole Structures, Pipes, and Laterals (Metric), **04.05**  
*C924 Withdrawn 2013; Practice for Testing Concrete Pipe Sewer Lines by Low-Pressure Air Test Method*  
*C924M Withdrawn 2013; Practice for Testing Concrete Pipe Sewer Lines by Low-Pressure Air Test Method (Metric)*
- C925-09** Guide for Precision Electroformed Wet Sieve Analysis of Nonplastic Ceramic Powders, **15.02**
- C926-14a** Specification for Application of Portland Cement-Based Plaster, **04.01**
- C927-80(2009)** Test Method for Lead and Cadmium Extracted from the Lip and Rim Area of Glass Tumblers Externally Decorated with Ceramic Glass Enamels, **15.02**
- C928/C928M-13** Specification for Packaged, Dry, Rapid-Hardening Cementitious Materials for Concrete Repairs, **04.02**
- C929-14** Practice for Handling, Transporting, Shipping, Storage, Receiving, and Application of Thermal Insulation Materials For Use in Contact with Austenitic Stainless Steel, **04.06**
- C930-12** Classification of Potential Health and Safety Concerns Associated With Thermal Insulation Materials and Accessories, **04.06**  
*C931/C931M Withdrawn 2005; Specification for Exterior Gypsum Soffit Board*
- C932-06(2013)** Specification for Surface-Applied Bonding Compounds for Exterior Plastering, **04.01**
- C933-13** Specification for Welded Wire Lath, **04.01**  
*C934 Withdrawn 1995; Guide for Design and Quality Assurance Practices for Nuclear Fuel Rods*
- C935-13** Specification for General Requirements for Prestressed Concrete Poles Statically Cast, **04.05**
- C936/C936M-13** Specification for Solid Concrete Interlocking Paving Units, **04.05**
- C937-10** Specification for Grout Fluidifier for Preplaced-Aggregate Concrete, **04.02**
- C938-10** Practice for Proportioning Grout Mixtures for Preplaced-Aggregate Concrete, **04.02**
- C939-10** Test Method for Flow of Grout for Preplaced-Aggregate Concrete (Flow Cone Method), **04.02**
- C940-10a** Test Method for Expansion and Bleeding of Freshly Mixed Grouts for Preplaced-Aggregate Concrete in the Laboratory, **04.02**
- C941-10** Test Method for Water Retentivity of Grout Mixtures for Preplaced-Aggregate Concrete in the Laboratory, **04.02**
- C942-10** Test Method for Compressive Strength of Grouts for Preplaced-Aggregate Concrete in the Laboratory, **04.02**
- C943-10** Practice for Making Test Cylinders and Prisms for Determining Strength and Density of Preplaced-Aggregate Concrete in the Laboratory, **04.02**
- C944/C944M-12** Test Method for Abrasion Resistance of Concrete or Mortar Surfaces by the Rotating-Cutter Method, **04.02**
- C945-05(2012)** Practice for Design Considerations and Spray Application of a Rigid Cellular Polyurethane Insulation System on Outdoor Service Vessels, **04.06**
- C946-10** Practice for Construction of Dry-Stacked, Surface-Bonded Walls, **04.05**
- C947-03(2009)** Test Method for Flexural Properties of Thin-Section Glass-Fiber-Reinforced Concrete (Using Simple Beam With Third-Point Loading), **04.05**
- C948-81(2009)** Test Method for Dry and Wet Bulk Density, Water Absorption, and Apparent Porosity of Thin Sections of Glass-Fiber Reinforced Concrete, **04.05**
- C949-80(2012)** Test Method for Porosity in Vitreous Whitewares by Dye Penetration, **15.02**
- C950/C950M-08(2012)** Practice for Repair of a Rigid Cellular Polyurethane Insulation System on Outdoor Service Vessels, **04.06**  
*C951 Withdrawn 1986; Specification for Urea-Formaldehyde-Based, Foamed-in-Place Insulation*
- C952-12** Test Method for Bond Strength of Mortar to Masonry Units, **04.05**
- C953-10** Test Method for Time of Setting of Grouts for Preplaced-Aggregate Concrete in the Laboratory, **04.02**
- C954-11** Specification for Steel Drill Screws for the Application of Gypsum Panel Products or Metal Plaster Bases to Steel Studs from 0.033 in. (0.84 mm) to 0.112 in. (2.84 mm) in Thickness, **04.01**
- C955-11c** Specification for Load-Bearing (Transverse and Axial) Steel Studs, Runners (Tracks), and Bracing or Bridging for Screw Application of Gypsum Panel Products and Metal Plaster Bases, **04.01**
- C956-04(2010)** Specification for Installation of Cast-In-Place Reinforced Gypsum Concrete, **04.01**
- C957/C957M-10** Specification for High-Solids Content, Cold Liquid-Applied Elastomeric Waterproofing Membrane With Integral Wearing Surface, **04.04**
- C958-92(2014)** Test Method for Particle Size Distribution of Alumina or Quartz by X-Ray Monitoring of Gravity Sedimentation, **15.02**  
*C959 Withdrawn 1996; Specification for Radiant Heat Fill*  
*C960/C960M Withdrawn 2005; Specification for Predecorated Gypsum Board; Replaced by C1396*
- C961-06(2011)** Test Method for Lap Shear Strength of Sealants, **04.07**
- C963-00(2012)** Specification for Packaging, Identification, Shipment, and Storage of Lock-Strip Gaskets, **04.07**
- C964-07(2012)** Guide for Lock-Strip Gasket Glazing, **04.07**
- C965-96(2012)** Practice for Measuring Viscosity of Glass Above the Softening Point, **15.02**
- C966-98(2008)** Guide for Installing Asbestos-Cement Nonpressure Pipe, **04.05**
- C967-13** Specification for Uranium Ore Concentrate, **12.01**
- C968-12** Test Methods for Analysis of Sintered Gadolinium Oxide-Uranium Dioxide Pellets, **12.01**
- C969-02(2009)** Practice for Infiltration and Exfiltration Acceptance Testing of Installed Precast Concrete Pipe Sewer Lines, **04.05**
- C969M-02(2009)** Practice for Infiltration and Exfiltration Acceptance Testing of Installed Precast Concrete Pipe Sewer Lines (Metric), **04.05**  
*C970 Withdrawn 2012; Practice for Sampling Special Nuclear Materials in Multi-Container Lots*  
*C971 Withdrawn 1997; Guide for Selection and Application of Insulation Systems for Heating, Ventilating, and Air Conditioning Duct Work*

- C972-00(2011)** Test Method for Compression-Recovery of Tape Sealant, **04.07**
- C973-87(2009)** Practice for Preparing Test Specimens From Basic Refractory Gunning Products by Pressing, **15.01**
- C974-87(2009)** Practice for Preparing Test Specimens from Basic Refractory Castable Products by Casting, **15.01**
- C975-87(2009)** Practice for Preparing Test Specimens from Basic Refractory Ramming Products by Pressing, **15.01**
- C976 Withdrawn 2002; Test Method for Thermal Performance of Building Assemblies by Means of a Calibrated Hot Box; Replaced by C1363*
- C977-10** Specification for Quicklime and Hydrated Lime for Soil Stabilization, **04.01**
- C978-04(2009)** Test Method for Photoelastic Determination of Residual Stress in a Transparent Glass Matrix Using a Polarizing Microscope and Optical Retardation Compensation Procedures, **15.02**
- C979/C979M-10** Specification for Pigments for Integrally Colored Concrete, **04.02**
- C980-13a** Specification for Industrial Chimney Lining Brick, **04.05**
- C981-05(2013)** Guide for Design of Built-Up Bituminous Membrane Waterproofing Systems for Building Decks, **04.04**
- C982 Withdrawn 2008; Guide for Selecting Components for Energy-Dispersive X-Ray Fluorescence (XRF) Systems*
- C983 Withdrawn 1996; Test Methods for Chemical and Instrumental Analysis of Metallic Core Components in Liquid Metal Fast-Breeder Reactors (LMFBR)*
- C984 Withdrawn 1997; Specification for Perlite Board and Rigid Cellular Polyisocyanurate Composite Roof Insulation; Replaced by C1289*
- C985-13** Specification for Nonreinforced Concrete Specified Strength Culvert, Storm Drain, and Sewer Pipe, **04.05**
- C985M-13** Specification for Nonreinforced Concrete Specified Strength Culvert, Storm Drain, and Sewer Pipe (Metric), **04.05**
- C986 Withdrawn 2001; Guide for Developing Training Programs in the Nuclear Fuel Cycle*
- C987-10** Test Method for Vapor Attack on Refractories for Furnace Superstructures, **15.01**
- C988 Withdrawn 1991; Test Method for Adherence of Porcelain Enamel Cover Coats Direct-to-Steel*
- C989/C989M-13** Specification for Slag Cement for Use in Concrete and Mortars, **04.02**
- C990-09** Specification for Joints for Concrete Pipe, Manholes, and Precast Box Sections Using Preformed Flexible Joint Sealants, **04.05**
- C990M-09** Specification for Joints for Concrete Pipe, Manholes, and Precast Box Sections Using Preformed Flexible Joint Sealants (Metric), **04.05**
- C991-08<sup>1</sup>** Specification for Flexible Fibrous Glass Insulation for Metal Buildings, **04.06**
- C992-11** Specification for Boron-Based Neutron Absorbing Material Systems for Use in Nuclear Spent Fuel Storage Racks, **12.01**
- C993-97(2012)** Guide for In-Plant Performance Evaluation of Automatic Pedestrian SNM Monitors, **12.01**
- C994 Withdrawn 1992; Practice for Ceramographic Preparation of PuO<sub>2</sub>-UO<sub>2</sub> Mixed Oxide Fuel Pellets and Uranium Pellets*
- C995 Withdrawn 2008; Test Method for Time of Flow of Fiber-Reinforced Concrete Through Inverted Slump Cone*
- C996-10** Specification for Uranium Hexafluoride Enriched to Less Than 5 %, **12.01**
- C997 Withdrawn 1998; Test Methods for Chemical and Instrumental Analysis of Nuclear-Grade Sodium and Cover Gas*
- C998-05(2010)<sup>1</sup>** Practice for Sampling Surface Soil for Radionuclides, **12.01**
- C999-05(2010)<sup>1</sup>** Practice for Soil Sample Preparation for the Determination of Radionuclides, **12.01**
- C1000-11** Test Method for Radiochemical Determination of Uranium Isotopes in Soil by Alpha Spectrometry, **12.01**
- C1001-11** Test Method for Radiochemical Determination of Plutonium in Soil by Alpha Spectroscopy, **12.01**
- C1002-07(2013)** Specification for Steel Self-Piercing Tapping Screws for the Application of Gypsum Panel Products or Metal Plaster Bases to Wood Studs or Steel Studs, **04.01**
- C1003 Withdrawn 1997; Test Method for Thermal Performance of Cooling-Air Duct Sections, Using A Calibrated Hot Box*
- C1004 Withdrawn 1999; Matrix for LWR Spent Fuel Receiving and Storage*
- C1005-10** Specification for Reference Masses and Devices for Determining Mass and Volume for Use in the Physical Testing of Hydraulic Cements, **04.01**
- C1006-07(2013)** Test Method for Splitting Tensile Strength of Masonry Units, **04.05**
- C1007-11a** Specification for Installation of Load Bearing (Transverse and Axial) Steel Studs and Related Accessories, **04.01**
- C1008 Withdrawn 2014; Specification for Sintered (Uranium-Plutonium) Dioxide Pellets—Fast Reactor Fuel*
- C1009-13a** Guide for Establishing and Maintaining a Quality Assurance Program for Analytical Laboratories Within the Nuclear Industry, **12.01**
- C1010 Withdrawn 2001; Guide for Acceptance, Checkout, and Pre-Operational Testing of a Nuclear Fuels Reprocessing Facility*
- C1011 Withdrawn 1996; Guide for Selection or Specification of Electrodeless Conductivity Instruments for the Nuclear Fuel Cycle*
- C1012/C1012M-13** Test Method for Length Change of Hydraulic-Cement Mortars Exposed to a Sulfate Solution, **04.01**
- C1013 Withdrawn 1997; Specification for Faced Rigid Cellular Polyisocyanurate Roof Insulation; Replaced by C1289*
- C1014-08(2013)** Specification for Spray-Applied Mineral Fiber Thermal and Sound Absorbing Insulation, **04.06**
- C1015-06(2011)<sup>1</sup>** Practice for Installation of Cellulosic and Mineral Fiber Loose-Fill Thermal Insulation, **04.06**
- C1016-14** Test Method for Determination of Water Absorption of Sealant Backing, **04.07**
- C1017/C1017M-13** Specification for Chemical Admixtures for Use in Producing Flowing Concrete, **04.02**
- C1018 Withdrawn 2006; Test Method for Flexural Toughness and First-Crack Strength of Fiber-Reinforced Concrete (Using Beam With Third-Point Loading)*
- C1019-13** Test Method for Sampling and Testing Grout, **04.05**
- C1020 Withdrawn 1999; Matrix for Light Water Reactor Fuel Reprocessing*
- C1021-08(2014)** Practice for Laboratories Engaged in Testing of Building Sealants, **04.07**
- C1022-05(2010)<sup>1</sup>** Test Methods for Chemical and Atomic Absorption Analysis of Uranium-Ore Concentrate, **12.01**
- C1023-10** Practice for Labeling Ceramic Art Materials for Chronic Adverse Health Hazards, **15.02**
- C1024 Not Assigned*
- C1025-91(2010)<sup>1</sup>** Test Method for Modulus of Rupture in Bending of Electrode Graphite, **05.05**
- C1026-13** Test Method for Measuring the Resistance of Ceramic and Glass Tile to Freeze-Thaw Cycling, **15.02**
- C1027-09** Test Method for Determining Visible Abrasion Resistance of Glazed Ceramic Tile, **15.02**
- C1028-07<sup>1</sup>** Test Method for Determining the Static Coefficient of Friction of Ceramic Tile and Other Like Surfaces by the Horizontal Dynamometer Pull-Meter Method, **15.02**
- C1029-13** Specification for Spray-Applied Rigid Cellular Polyurethane Thermal Insulation, **04.06**
- C1030-10** Test Method for Determination of Plutonium Isotopic Composition by Gamma-Ray Spectrometry, **12.01**
- C1031-11** Specification for Nuclear-Grade Aluminum Oxide Powder, **12.01**
- C1032-14** Specification for Woven Wire Plaster Base, **04.01**
- C1033 Withdrawn 2003; Test Method for Steady-State Heat Transfer Properties of Pipe Insulation Installed Vertically*
- C1034 Withdrawn 2001; Test Method for Lead and Cadmium Extracted from Glazed Ceramic Cookware*
- C1035 Withdrawn 2001; Specification for Lead and Cadmium Extracted from Glazed Ceramic Cookware*
- C1036-11<sup>1</sup>** Specification for Flat Glass, **15.02**
- C1037-08** Practice for Inspection of Underground Precast Concrete Utility Structures, **04.05**
- C1038/C1038M-14a** Test Method for Expansion of Hydraulic Cement Mortar Bars Stored in Water, **04.01**
- C1039-85(2010)<sup>1</sup>** Test Methods for Apparent Porosity, Apparent Specific Gravity, and Bulk Density of Graphite Electrodes, **05.05**
- C1040/C1040M-08(2013)** Test Methods for In-Place Density of Unhardened and Hardened Concrete, Including Roller Compacted Concrete, By Nuclear Methods, **04.02**
- C1041-10** Practice for In-Situ Measurements of Heat Flux in Industrial Thermal Insulation Using Heat Flux Transducers, **04.06**
- C1042 Withdrawn 2008; Test Method for Bond Strength of Latex Systems Used With Concrete By Slant Shear*
- C1043-06(2010)** Practice for Guarded-Hot-Plate Design Using Circular Line-Heat Sources, **04.06**
- C1044-12** Practice for Using a Guarded-Hot-Plate Apparatus or Thin-Heater Apparatus in the Single-Sided Mode, **04.06**
- C1045-07(2013)** Practice for Calculating Thermal Transmission Properties Under Steady-State Conditions, **04.06**
- C1046-95(2013)** Practice for In-Situ Measurement of Heat Flux and Temperature on Building Envelope Components, **04.06**
- C1047-14a** Specification for Accessories for Gypsum Wallboard and Gypsum Veneer Base, **04.01**
- C1048-12<sup>1</sup>** Specification for Heat-Strengthened and Fully Tempered Flat Glass, **15.02**
- C1049 Withdrawn 2001; Practice for Installation of Granular Loose-Fill Thermal Insulation*
- C1050 Withdrawn 1999; Specification for Rigid Cellular Polystyrene-Cellulosic Fiber Composite Roof Insulation*
- C1051 Withdrawn 2000; Specification for Sodium (Na) as a Coolant for Liquid Metal-Cooled Reactors; Replaced by A1008*
- C1052-14** Practice for Bulk Sampling of Liquid Uranium Hexafluoride, **12.01**
- C1053-00(2010)** Specification for Borosilicate Glass Pipe and Fittings for Drain, Waste, and Vent (DWV) Applications, **15.02**
- C1054-13** Practice for Pressing and Drying Refractory Plastic and Ramming Mix Specimens, **15.01**
- C1055-03(2014)** Guide for Heated System Surface Conditions that Produce Contact Burn Injuries, **04.06**
- C1056 Withdrawn 1992; Practice for Preparation of Loose Fill Mineral Fiber Thermal Insulation Samples for Testing*
- C1057-12** Practice for Determination of Skin Contact Temperature from Heated Surfaces Using a Mathematical Model and Thermesthesiometer, **04.06**
- C1058/C1058M-10** Practice for Selecting Temperatures for Evaluating and Reporting Thermal Properties of Thermal Insulation, **04.06**
- C1059/C1059M-13** Specification for Latex Agents for Bonding Fresh To Hardened Concrete, **04.02**
- C1060-11a** Practice for Thermographic Inspection of Insulation Installations in Envelope Cavities of Frame Buildings, **04.06**
- C1061 Withdrawn 1995; Test Method for Thermal Transmission Properties of*

*Nonhomogeneous Insulation Panels Installed Vertically*

- C1062-00(2014)** Guide for Design, Fabrication, and Installation of Nuclear Fuel Dissolution Facilities, **12.01**
- C1063-14c** Specification for Installation of Lathing and Furring to Receive Interior and Exterior Portland Cement-Based Plaster, **04.01**
- C1064/C1064M-12** Test Method for Temperature of Freshly Mixed Hydraulic-Cement Concrete, **04.02**
- C1065-08** Specification for Nuclear-Grade Zirconium Oxide Powder, **12.01**
- C1066-09** Specification for Nuclear Grade Zirconium Oxide Pellets, **12.01**
- C1067-12** Practice for Conducting a Ruggedness Evaluation or Screening Program for Test Methods for Construction Materials, **04.02**
- C1068-03(2011)** Guide for Qualification of Measurement Methods by a Laboratory Within the Nuclear Industry, **12.01**
- C1069-09** Test Method for Specific Surface Area of Alumina or Quartz by Nitrogen Adsorption, **15.02**
- C1070-01(2014)** Test Method for Determining Particle Size Distribution of Alumina or Quartz by Laser Light Scattering, **15.01**
- C1071-12** Specification for Fibrous Glass Duct Lining Insulation (Thermal and Sound Absorbing Material), **04.06**
- C1072-13<sup>-1</sup>** Test Methods for Measurement of Masonry Flexural Bond Strength, **04.05**
- C1073-12** Test Method for Hydraulic Activity of Slag Cement by Reaction with Alkali, **04.02**
- C1074-11** Practice for Estimating Concrete Strength, **04.02**
- C1075-10** Practices for Sampling Uranium-Ore Concentrate, **12.01**
- C1076-09** Specification for Nuclear Grade Hafnium Oxide Pellets, **12.01**
- C1077-14** Practice for Agencies Testing Concrete and Concrete Aggregates for Use in Construction and Criteria for Testing Agency Evaluation, **04.02**
- C1078 Withdrawn 1998; Test Methods for Determining the Cement Content of Freshly Mixed Concrete*
- C1079 Withdrawn 1998; Test Methods for Determining the Water Content of Freshly Mixed Concrete*
- C1080-98(2008)** Specification for Asbestos-Cement Products Other Than Fill For Cooling Towers, **04.05**
- C1081-98(2008)** Specification for Asbestos-Cement Corrugated Fill For Use in Cooling Towers, **04.05**
- C1082-98(2008)** Specification for Asbestos-Cement Flat Sheet for Cooling Tower Fill, **04.05**
- C1083-06(2011)** Test Method for Water Absorption of Cellular Elastomeric Gaskets and Sealing Materials, **04.07**
- C1084-10** Test Method for Portland-Cement Content of Hardened Hydraulic-Cement Concrete, **04.02**
- C1085 Withdrawn 1998; Specification for Butyl Rubber-Based Solvent-Release Sealants; Replaced by C1311*
- C1086-09** Specification for Glass Fiber Mechanically Bonded Felt Thermal Insulation, **04.06**
- C1087-00(2011)** Test Method for Determining Compatibility of Liquid-Applied Sealants with Accessories Used in Structural Glazing Systems, **04.07**
- C1088-14** Specification for Thin Veneer Brick Units Made From Clay or Shale, **04.05**
- C1089-13** Specification for Spun Cast Prestressed Concrete Poles, **04.05**
- C1090-10** Test Method for Measuring Changes in Height of Cylindrical Specimens of Hydraulic-Cement Grout, **04.02**
- C1091-03a(2013)** Test Method for Hydrostatic Infiltration Testing of Vitrified Clay Pipe Lines, **04.05**
- C1092 Withdrawn 1995; Specification for Glass Reinforced Concrete D-Load Culvert, Storm Drain, and Sewer Pipe*
- C1093-13a<sup>-1</sup>** Practice for Accreditation of Testing Agencies for Masonry, **04.05**
- C1094 Withdrawn 2010; Guide for Flexible Removable Insulation Covers*
- C1095 Withdrawn 1998; Practice for Calculating Precision Data on Refractories (CO<sub>8</sub>) from Interlaboratory Test Results; Replaced by E177, E691*
- C1096/C1096M-07(2011)<sup>-1</sup>** Test Method for Determination of Wood Fiber in Asbestos Cement, **04.05**
- C1097-13** Specification for Hydrated Lime for Use in Asphalt Cement or Bituminous Paving Mixtures, **04.01**
- C1098-08** Specification for Nuclear-Grade Hafnium Oxide Powder, **12.01**
- C1099-07(2012)** Test Method for Modulus of Rupture of Carbon-Containing Refractory Materials at Elevated Temperatures, **15.01**
- C1100 Withdrawn 2005; Test Method for Ribbon Thermal Shock Testing of Refractory Materials*
- C1101/C1101M-06(2012)** Test Methods for Classifying the Flexibility or Rigidity of Mineral Fiber Blanket and Board Insulation, **04.06**
- C1102 Withdrawn 2002; Test Method for Time of Setting of Portland-Cement Pastes Containing Quick-Setting Accelerating Admixtures for Shotcrete by the Use of Gillmore Needles; Replaced by C1398*
- C1103-03(2009)** Practice for Joint Acceptance Testing of Installed Precast Concrete Pipe Sewer Lines, **04.05**
- C1103M-03(2009)** Practice for Joint Acceptance Testing of Installed Precast Concrete Pipe Sewer Lines (Metric), **04.05**
- C1104/C1104M-13a** Test Method for Determining the Water Vapor Sorption of Unfaced Mineral Fiber Insulation, **04.06**
- C1105-08a** Test Method for Length Change of Concrete Due to Alkali-Carbonate Rock Reaction, **04.02**
- C1106-00(2012)** Test Methods for Chemical Resistance and Physical Properties of Carbon Brick, **04.05**
- C1107/C1107M-14** Specification for Packaged Dry, Hydraulic-Cement Grout (Nonshrink), **04.02**
- C1108-12** Test Method for Plutonium by Controlled-Potential Coulometry, **12.01**
- C1109-10** Practice for Analysis of Aqueous Leachates from Nuclear Waste Materials Using Inductively Coupled Plasma-Atomic Emission Spectroscopy, **12.01**
- C1110 Withdrawn 2014; Test Method for Determining Elements in Waste Streams by Inductively Coupled Plasma-Atomic Emission Spectroscopy*
- C1111-10** Test Method for Determining Elements in Waste Streams by Inductively Coupled Plasma-Atomic Emission Spectroscopy, **12.01**
- C1112 Withdrawn 2014; Guide for Application of Radiation Monitors to the Control and Physical Security of Special Nuclear Material*
- C1113/C1113M-09(2013)** Test Method for Thermal Conductivity of Refractories by Hot Wire (Platinum Resistance Thermometer Technique), **15.01**
- C1114-06(2013)** Test Method for Steady-State Thermal Transmission Properties by Means of the Thin-Heater Apparatus, **04.06**
- C1115-06(2011)** Specification for Dense Elastomeric Silicone Rubber Gaskets and Accessories, **04.07**
- C1116/C1116M-10a** Specification for Fiber-Reinforced Concrete, **04.02**
- C1117 Withdrawn 2003; Test Method for Time of Setting of Shotcrete Mixtures by Penetration Resistance*
- C1118 Withdrawn 2011; Guide for Selecting Components for Wavelength-Dispersive X-Ray Fluorescence (XRF) Systems*
- C1119/C1119M-90(2009)<sup>-1</sup>** Test Method for Vacuum Drainage of Asbestos-Cement Mixes, **04.05**
- C1120/C1120M-98(2011)<sup>-1</sup>** Test Method for Wash Test of Asbestos, **04.05**
- C1121/C1121M-04(2009)<sup>-1</sup>** Test Method for Turner and Newall (T and N) Wet-Length Classification of Asbestos, **04.05**
- C1122/C1122M-90(2009)<sup>-1</sup>** Test Method for Wet Volume of Asbestos, **04.05**
- C1123/C1123M-90(2009)<sup>-1</sup>** Test Method for Compressibility and Recovery of Asbestos, **04.05**
- C1124/C1124M-90(2009)<sup>-1</sup>** Test Method for Kerosene Retention of Asbestos, **04.05**
- C1125-89(2009)** Test Method for Penetration Index of Asbestos, **04.05**
- C1126-14** Specification for Faced or Unfaced Rigid Cellular Phenolic Thermal Insulation, **04.06**
- C1127-01(2009)** Guide for Use of High Solids Content, Cold Liquid-Applied Elastomeric Waterproofing Membrane with an Integral Wearing Surface, **04.04**
- C1128-01(2008)** Guide for Preparation of Working Reference Materials for Use in Analysis of Nuclear Fuel Cycle Materials, **12.01**
- C1129-12** Practice for Estimation of Heat Savings by Adding Thermal Insulation to Bare Valves and Flanges, **04.06**
- C1130-07(2012)** Practice for Calibrating Thin Heat Flux Transducers, **04.06**
- C1131-10<sup>-1</sup>** Practice for Least Cost (Life Cycle) Analysis of Concrete Culvert, Storm Sewer, and Sanitary Sewer Systems, **04.05**
- C1132 Withdrawn 2002; Practice for Calibration of the Heat Flow Meter Apparatus*
- C1133/C1133M-10** Test Method for Nondestructive Assay of Special Nuclear Material in Low-Density Scrap and Waste by Segmented Passive Gamma-Ray Scanning, **12.01**
- C1134-90(2012)<sup>-1</sup>** Test Method for Water Retention of Rigid Thermal Insulations Following Partial Immersion, **04.06**
- C1135-00(2011)** Test Method for Determining Tensile Adhesion Properties of Structural Sealants, **04.07**
- C1136-12** Specification for Flexible, Low Permeance Vapor Retarders for Thermal Insulation, **04.06**
- C1137 Withdrawn 2011; Test Method for Degradation of Fine Aggregate Due to Attrition*
- C1138M-12** Test Method for Abrasion Resistance of Concrete (Underwater Method), **04.02**
- C1139-14** Specification for Fibrous Glass Thermal Insulation and Sound Absorbing Blanket and Board for Military Applications, **04.06**
- C1140/C1140M-11** Practice for Preparing and Testing Specimens from Shotcrete Test Panels, **04.02**
- C1141/C1141M-08** Specification for Admixtures for Shotcrete, **04.02**
- C1142-95(2013)** Specification for Extended Life Mortar for Unit Masonry, **04.05**
- C1143 Withdrawn 2000; Specification for Helium for Use as a Cover Gas for Liquid Sodium*
- C1144-89(2011)** Test Method for Splitting Tensile Strength for Brittle Nuclear Waste Forms, **12.01**
- C1145-06(2013)** Terminology of Advanced Ceramics, **15.01**
- C1146-09(2013)** Guide for Prefabricated Panel and H-bar Insulation Systems for Vessels, Ducts and Equipment Operating at Temperatures Above Ambient Air, **04.06**
- C1147-01(2012)** Practice for Determining the Short Term Tensile Weld Strength of Chemical-Resistant Thermoplastics, **08.01**
- C1148-92a(2008)** Test Method for Measuring the Drying Shrinkage of Masonry Mortar, **04.05**
- C1149-11** Specification for Self-Supported Spray Applied Cellulosic Thermal Insulation, **04.06**
- C1150 Withdrawn 2002; Test Method for the Break-Off Number of Concrete*
- C1151 Withdrawn 2000; Test Method for Evaluating the Effectiveness of Materials for Curing Concrete*
- C1152/C1152M-04(2012)<sup>-1</sup>** Test Method for Acid-Soluble Chloride in Mortar and Concrete, **04.02**
- C1153-10** Practice for Location of Wet Insulation in Roofing Systems Using Infrared Imaging, **04.06**
- C1154-06(2011)** Terminology for Non-Asbestos Fiber-Reinforced Cement Products, **04.05**
- C1155-95(2013)** Practice for Determining Thermal Resistance of Building Envelope Components from the In-Situ Data, **04.06**
- C1156-03(2011)** Guide for Establishing Calibration for a Measurement Method

- Used to Analyze Nuclear Fuel Cycle Materials, **12.01**
- C1157/C1157M-11** Performance Specification for Hydraulic Cement, **04.01**  
*C1158 Withdrawn 2011; Practice for Installation and Use of Radiant Barrier Systems (RBS) in Building Construction*
- C1159-98(2012)** Specification for Sulfur Polymer Cement and Sulfur Modifier for Use in Chemical-Resistant, Rigid Sulfur Concrete, **04.05**
- C1160-97(2012)** Specification for Chemical-Resistant Carbon Brick, **04.05**
- C1161-13** Test Method for Flexural Strength of Advanced Ceramics at Ambient Temperature, **15.01**
- C1162/C1162M-90(2009)<sup>1</sup>** Test Method for Loose Density of Asbestos, **04.05**
- C1163-14** Practice for Mounting Actinides for Alpha Spectrometry Using Neodymium Fluoride, **12.01**
- C1164-92(2009)** Practice for Evaluation of Limestone or Lime Uniformity From a Single Source, **04.01**
- C1165-12** Test Method for Determining Plutonium by Controlled-Potential Coulometry in H, **12.01**
- C1166-06(2011)** Test Method for Flame Propagation of Dense and Cellular Elastomeric Gaskets and Accessories, **04.07**
- C1167-11** Specification for Clay Roof Tiles, **04.05**
- C1168-08** Practice for Preparation and Dissolution of Plutonium Materials for Analysis, **12.01**
- C1169-97(2012)** Guide for Laboratory Evaluation of Automatic Pedestrian SNM Monitor Performance, **12.01**
- C1170/C1170M-14<sup>1</sup>** Test Method for Determining Consistency and Density of Roller-Compacted Concrete Using a Vibrating Table, **04.02**
- C1171-05(2011)** Test Method for Quantitatively Measuring the Effect of Thermal Shock and Thermal Cycling on Refractories, **15.01**
- C1172-09<sup>1</sup>** Specification for Laminated Architectural Flat Glass, **15.02**
- C1173-10<sup>1</sup>** Specification for Flexible Transition Couplings for Underground Piping Systems, **01.02**
- C1174-07(2013)** Practice for Prediction of the Long-Term Behavior of Materials, Including Waste Forms, Used in Engineered Barrier Systems (EBS) for Geological Disposal of High-Level Radioactive Waste, **12.01**
- C1175-99a(2010)** Guide to Test Methods and Standards for Nondestructive Testing of Advanced Ceramics, **15.01**
- C1176/C1176M-13** Practice for Making Roller-Compacted Concrete in Cylinder Molds Using a Vibrating Table, **04.02**
- C1177/C1177M-13** Specification for Glass Mat Gypsum Substrate for Use as Sheathing, **04.01**
- C1178/C1178M-13** Specification for Coated Glass Mat Water-Resistant Gypsum Backing Panel, **04.01**
- C1179-91(2010)<sup>1</sup>** Test Method for Oxidation Mass Loss of Manufactured Carbon and Graphite Materials in Air, **05.05**
- C1180-10** Terminology of Mortar and Grout for Unit Masonry, **04.05**
- C1181-00(2012)** Test Methods for Compressive Creep of Chemical-Resistant Polymer Machinery Grouts, **04.02**
- C1182-09** Test Method for Determining the Particle Size Distribution of Alumina by Centrifugal Photosedimentation, **15.02**
- C1183/C1183M-13** Test Method for Extrusion Rate of Elastomeric Sealants, **04.07**
- C1184-14** Specification for Structural Silicone Sealants, **04.07**
- C1185-08(2012)** Test Methods for Sampling and Testing Non-Asbestos Fiber-Cement Flat Sheet, Roofing and Siding Shingles, and Clapboards, **04.05**
- C1186-08(2012)** Specification for Flat Fiber-Cement Sheets, **04.05**
- C1187-07** Guide for Establishing Surveillance Test Program for Boron-Based Neutron Absorbing Material Systems for Use in Nuclear Spent Fuel Storage Racks, **12.01**
- C1188-04(2011)** Guide for Establishing a Quality Assurance Program for Uranium Conversion Facilities, **12.01**
- C1189-11** Guide to Procedures for Calibrating Automatic Pedestrian SNM Monitors, **12.01**
- C1190-95(2010)** Practice for Location of Test Specimens from Magnesite-Carbon and Impregnated Burned Basic Brick, **15.01**
- C1191 Withdrawn 1999; Practice for Safe Use and Handling of Ceramic Clays and Slips*
- C1192 Withdrawn 1999; Practice for Safe Spraying of Ceramic Glazes*
- C1193-13** Guide for Use of Joint Sealants, **04.07**
- C1194-03(2011)** Test Method for Compressive Strength of Architectural Cast Stone, **04.05**
- C1195-03(2011)** Test Method for Absorption of Architectural Cast Stone, **04.05**
- C1196-09** Test Method for In Situ Compressive Stress Within Solid Unit Masonry Estimated Using Flatjack Measurements, **04.05**
- C1197-09** Test Method for In Situ Measurement of Masonry Deformability Properties Using the Flatjack Method, **04.05**
- C1198-09(2013)** Test Method for Dynamic Young's Modulus, Shear Modulus, and Poisson's Ratio for Advanced Ceramics by Sonic Resonance, **15.01**
- C1199-14** Test Method for Measuring the Steady-State Thermal Transmittance of Fenestration Systems Using Hot Box Methods, **04.06**
- C1201/C1201M-09** Test Method for Structural Performance of Exterior Dimension Stone Cladding Systems by Uniform Static Air Pressure Difference, **04.07**
- C1202-12** Test Method for Electrical Indication of Concrete's Ability to Resist Chloride Ion Penetration, **04.02**
- C1203-04(2009)** Test Method for Quantitative Determination of Alkali Resistance of a Ceramic-Glass Enamel, **15.02**
- C1204-14** Test Method for Uranium in Presence of Plutonium by Iron(II) Reduction in Phosphoric Acid Followed by Chromium(VI) Titration, **12.01**
- C1205-07(2012)** Test Method for The Radiochemical Determination of Americium-241 in Soil by Alpha Spectrometry, **12.01**
- C1206-02(2010)** Test Method for Plutonium by Iron (II)/Chromium (VI) Amperometric Titration, **12.01**
- C1207-10** Test Method for Nondestructive Assay of Plutonium in Scrap and Waste by Passive Neutron Coincidence Counting, **12.01**  
*C1208M Withdrawn 1998; Replaced by C1208/C1208M*
- C1208/C1208M-11** Specification for Vitrified Clay Pipe and Joints for Use in Microtunneling, Sliplining, Pipe Bursting, and Tunnels, **04.05**  
*C1209 Withdrawn 2009; Terminology of Concrete Masonry Units and Related Units; Replaced by C1232*
- C1210-12** Guide for Establishing a Measurement System Quality Control Program for Analytical Chemistry Laboratories Within the Nuclear Industry, **12.01**
- C1211-13** Test Method for Flexural Strength of Advanced Ceramics at Elevated Temperatures, **15.01**
- C1212-98(2010)** Practice for Fabricating Ceramic Reference Specimens Containing Seeded Voids, **15.01**  
*C1213 Withdrawn 2001; Terminology Relating to Precast Concrete Products*
- C1214-13** Test Method for Concrete Pipe Sewerlines by Negative Air Pressure (Vacuum) Test Method, **04.05**
- C1214M-13** Test Method for Concrete Pipe Sewerlines by Negative Air Pressure (Vacuum) Test Method (Metric), **04.05**
- C1215-92(2012)<sup>1</sup>** Guide for Preparing and Interpreting Precision and Bias Statements in Test Method Standards Used in the Nuclear Industry, **12.01**
- C1216/C1216M-13** Test Method for Adhesion and Cohesion of One-Part Elastomeric Solvent Release Sealants, **04.07**
- C1217-00(2012)** Guide for Design of Equipment for Processing Nuclear and Radioactive Materials, **12.01**
- C1218/C1218M-99(2008)** Test Method for Water-Soluble Chloride in Mortar and Concrete, **04.02**
- C1219-05(2009)** Test Methods for Arsenic in Uranium Hexafluoride, **12.01**
- C1220-10** Test Method for Static Leaching of Monolithic Waste Forms for Disposal of Radioactive Waste, **12.01**
- C1221-10** Test Method for Nondestructive Analysis of Special Nuclear Materials in Homogeneous Solutions by Gamma-Ray Spectrometry, **12.01**
- C1222-13** Practice for Evaluation of Laboratories Testing Hydraulic Cement, **04.01**
- C1223-09** Test Method for Testing of Glass Exudation from AZS Fusion-Cast Refractories, **15.01**
- C1224-11** Specification for Reflective Insulation for Building Applications, **04.06**
- C1225-08(2012)** Specification for Fiber-Cement Roofing Shingles, Shakes, and Slates, **04.05**  
*C1226 Withdrawn 2007; Test Method for Soluble Chlorides in Asbestos*
- C1227-13** Specification for Precast Concrete Septic Tanks, **04.05**
- C1228-96(2009)** Practice for Preparing Coupons for Flexural and Washout Tests on Glass Fiber Reinforced Concrete, **04.05**
- C1229-94(2009)** Test Method for Determination of Glass Fiber Content in Glass Fiber Reinforced Concrete (GFRC)(Wash-Out Test), **04.05**
- C1230-96(2009)** Test Method for Performing Tension Tests on Glass-Fiber Reinforced Concrete (GFRC) Bonding Pads, **04.05**
- C1231/C1231M-14** Practice for Use of Unbonded Caps in Determination of Compressive Strength of Hardened Concrete Cylinders, **04.02**
- C1232-12** Terminology of Masonry, **04.05**
- C1233-09** Practice for Determining Equivalent Boron Contents of Nuclear Materials, **12.01**
- C1234-11** Practice for Preparation of Oils and Oily Waste Samples by High-Pressure, High-Temperature Digestion for Trace Element Determinations, **05.01**
- C1235 Withdrawn 2005; Test Method for Plutonium by Titanium(III)/Cerium(IV) Titration*
- C1236 Withdrawn 2014; Guide for In-Plant Performance Evaluation of Automatic Vehicle SNM Monitors*
- C1237 Withdrawn 2014; Guide to In-Plant Performance Evaluation of Hand-Held SNM Monitors*
- C1238-97(2012)** Guide for Installation of Walk-Through Metal Detectors, **12.01**
- C1239-13** Practice for Reporting Uniaxial Strength Data and Estimating Weibull Distribution Parameters for Advanced Ceramics, **15.01**
- C1240-14** Specification for Silica Fume Used in Cementitious Mixtures, **04.02**
- C1241-14** Test Method for Volume Shrinkage of Latex Sealants During Cure, **04.07**
- C1242-14** Guide for Selection, Design, and Installation of Dimension Stone Attachment Systems, **04.07**
- C1243-93(2009)** Test Method for Relative Resistance to Deep Abrasive Wear of Unglazed Ceramic Tile by Rotating Disc, **15.02**
- C1244-11** Test Method for Concrete Sewer Manholes by the Negative Air Pressure (Vacuum) Test Prior to Backfill, **04.05**
- C1244M-11** Test Method for Concrete Sewer Manholes by the Negative Air Pressure (Vacuum) Test Prior to Backfill (Metric), **04.05**
- C1245/C1245M-12** Test Method for Determining Relative Bond Strength Between Hardened Roller Compacted Concrete Lifts (Point Load Test), **04.02**
- C1246-00(2012)** Test Method for Effects of Heat Aging on Weight Loss, Cracking, and Chalking of Elastomeric Sealants After Cure, **04.07**
- C1247-14** Test Method for Durability of Sealants Exposed to Continuous Immersion in Liquids, **04.07**
- C1248-08(2012)** Test Method for Staining of Porous Substrate by Joint Sealants, **04.07**
- C1249-06a(2010)** Guide for Secondary Seal for Sealed Insulating Glass Units for Structural Sealant Glazing Applications, **04.07**
- C1250-05** Test Method for Nonvolatile Content of Cold Liquid-Applied Elastomeric Waterproofing Membranes, **04.04**

- C1251 Withdrawn 2000; Guide for Determination of Specific Surface Area of Advanced Ceramic Materials by Gas Adsorption*
- C1252-06** Test Methods for Uncompacted Void Content of Fine Aggregate (as Influenced by Particle Shape, Surface Texture, and Grading), **04.02**
- C1253-14** Test Method for Determining the Outgassing Potential of Sealant Backing, **04.07**
- C1254-13** Test Method for Determination of Uranium in Mineral Acids by X-Ray Fluorescence, **12.01**
- C1255-11** Test Method for Analysis of Uranium and Thorium in Soils by Energy Dispersive X-Ray Fluorescence Spectroscopy, **12.01**
- C1256-93(2013)** Practice for Interpreting Glass Fracture Surface Features, **15.02**
- C1257-06a(2012)** Test Method for Accelerated Weathering of Solvent-Release-Type Sealants, **04.07**
- C1258-08(2013)** Test Method for Elevated Temperature and Humidity Resistance of Vapor Retarders for Insulation, **04.06**
- C1259-14** Test Method for Dynamic Young's Modulus, Shear Modulus, and Poisson's Ratio for Advanced Ceramics by Impulse Excitation of Vibration, **15.01**
- C1260-14** Test Method for Potential Alkali Reactivity of Aggregates (Mortar-Bar Method), **04.02**
- C1261-13** Specification for Firebox Brick for Residential Fireplaces, **04.05**
- C1262-10** Test Method for Evaluating the Freeze-Thaw Durability of Dry-Cast Segmental Retaining Wall Units and Related Concrete Units, **04.05**
- C1263-95(2010)** Test Method for Thermal Integrity of Flexible Water Vapor Retarders, **04.06**
- C1264-14** Specification for Sampling, Inspection, Rejection, Certification, Packaging, Marking, Shipping, Handling, and Storage of Gypsum Panel Products, **04.01**
- C1265-94(2011)** Test Method for Determining the Tensile Properties of an Insulating Glass Edge Seal for Structural Glazing Applications, **04.07**
- C1266-02(2011)** Test Method for Flow Characteristics of Preformed Tape Sealants, **04.07**
- C1267-11** Test Method for Uranium by Iron (II) Reduction in Phosphoric Acid Followed by Chromium (VI) Titration in the Presence of Vanadium, **12.01**
- C1268-94(2008)** Test Method for Quantitative Determination of Americium 241 in Plutonium by Gamma-Ray Spectrometry, **12.01**
- C1269-97(2012)** Practice for Adjusting the Operational Sensitivity Setting of In-Plant Walk-Through Metal Detectors, **12.01**
- C1270-97(2012)** Practice for Detection Sensitivity Mapping of In-Plant Walk-Through, **12.01**
- C1271-99(2012)** Test Method for X-ray Spectrometric Analysis of Lime and Limestone, **04.01**
- C1272-14** Specification for Heavy Vehicular Paving Brick, **04.05**
- C1273-05(2010)** Test Method for Tensile Strength of Monolithic Advanced Ceramics at Ambient Temperatures, **15.01**
- C1274-12** Test Method for Advanced Ceramic Specific Surface Area by Physical Adsorption, **15.01**
- C1275-10** Test Method for Monotonic Tensile Behavior of Continuous Fiber-Reinforced Advanced Ceramics with Solid Rectangular Cross-Section Test Specimens at Ambient Temperature, **15.01**
- C1276 Withdrawn 2009; Test Method for Measuring the Viscosity of Mold Powders Above Their Melting Point Using a Rotational Viscometer*
- C1277-12** Specification for Shielded Couplings Joining Hubless Cast Iron Soil Pipe and Fittings, **01.02**
- C1278/C1278M-07a(2011)** Specification for Fiber-Reinforced Gypsum Panel, **04.01**
- C1279-13** Test Method for Non-Destructive Photoelastic Measurement of Edge and Surface Stresses in Annealed, Heat-Strengthened, and Fully Tempered Flat Glass, **15.02**
- C1280-13a** Specification for Application of Exterior Gypsum Panel Products for Use as Sheathing, **04.01**
- C1281-14** Specification for Preformed Tape Sealants for Glazing Applications, **04.07**
- C1282** *Withdrawn 2014; Test Method for Determining the Particle Size Distribution of Advanced Ceramics by Centrifugal Photosedimentation*, **15.01**
- C1283-11** Practice for Installing Clay Flue Lining, **04.05**
- C1284-10** Practice for Electrodeposition of the Actinides for Alpha Spectrometry, **12.01**
- C1285-14** Test Methods for Determining Chemical Durability of Nuclear, Hazardous, and Mixed Waste Glasses and Multiphase Glass Ceramics: The Product Consistency Test (PCT), **12.01**
- C1286 Withdrawn 2002; Classification for Advanced Ceramics*
- C1287-10** Test Method for Determination of Impurities in Nuclear Grade Uranium Compounds by Inductively Coupled Plasma Mass Spectrometry, **12.01**
- C1288-99(2010)** Specification for Discrete Non-Asbestos Fiber-Cement Interior Substrate Sheets, **04.05**
- C1289-14** Specification for Faced Rigid Cellular Polyisocyanurate Thermal Insulation Board, **04.06**
- C1290-11** Specification for Flexible Fibrous Glass Blanket Insulation Used to Externally Insulate HVAC Ducts, **04.06**
- C1291-00a(2010)** Test Method for Elevated Temperature Tensile Creep Strain, Creep Strain Rate, and Creep Time-to-Failure for Advanced Monolithic Ceramics, **15.01**
- C1292-10** Test Method for Shear Strength of Continuous Fiber-Reinforced Advanced Ceramics at Ambient Temperatures, **15.01**
- C1293-08b** Test Method for Determination of Length Change of Concrete Due to Alkali-Silica Reaction, **04.02**
- C1294-07(2011)** Test Method for Compatibility of Insulating Glass Edge Sealants with Liquid-Applied Glazing Materials, **04.07**
- C1295-14** Test Method for Gamma Energy Emission from Fission and Decay Products in Uranium Hexafluoride and Uranyl Nitrate Solution, **12.01**
- C1296 Withdrawn 2007; Test Method for Determination of Sulfur in Uranium Oxides and Uranyl Nitrate Solutions by X-Ray Fluorescence (XRF)*
- C1297-03(2011)** Guide for Qualification of Laboratory Analysts for the Analysis of Nuclear Fuel Cycle Materials, **12.01**
- C1298-95(2013)** Guide for Design and Construction of Brick Liners for Industrial Chimneys, **04.05**
- C1299 Withdrawn 2011; Guide for Use in Selection of Liquid-Applied Sealants*
- C1300-95(2012)** Test Method for Linear Thermal Expansion of Glaze Frits and Ceramic Whiteware Materials by the Interferometric Method, **15.02**
- C1301-95(2014)** Test Method for Major and Trace Elements in Limestone and Lime by Inductively Coupled Plasma-Atomic Emission Spectroscopy (ICP) and Atomic Absorption (AA), **04.01**
- C1302-04(2011)** Guide for Selection and Use of Keywords for Thermal Insulation Test Methods and Standards, **04.06**
- C1303/C1303M-14** Test Method for Predicting Long-Term Thermal Resistance of Closed-Cell Foam Insulation, **04.06**
- C1304-08(2013)** Test Method for Assessing the Odor Emission of Thermal Insulation Materials, **04.06**
- C1305-08** Test Method for Crack Bridging Ability of Liquid-Applied Waterproofing Membrane, **04.04**
- C1306-08** Test Method for Hydrostatic Pressure Resistance of a Liquid-Applied Waterproofing Membrane, **04.04**
- C1307-14** Test Method for Plutonium Assay by Plutonium (III) Diode Array Spectrophotometry, **12.01**
- C1308-08** Test Method for Accelerated Leach Test for Diffusive Releases from Solidified Waste and a Computer Program to Model Diffusive, Fractional Leaching from Cylindrical Waste Forms, **12.01**
- C1309-97(2012)** Practice for Performance Evaluation of In-Plant Walk-Through Metal Detectors, **12.01**
- C1310 Withdrawn 2011; Test Method for Determining Radionuclides in Soils by Inductively Coupled Plasma-Mass Spectrometry Using Flow Injection Preconcentration*
- C1311-14** Specification for Solvent Release Sealants, **04.07**
- C1312-97(2012)** Practice for Making and Conditioning Chemical-Resistant Sulfur Polymer Cement Concrete Test Specimens in the Laboratory, **04.05**
- C1313/C1313M-13** Specification for Sheet Radiant Barriers for Building Construction Applications, **04.06**
- C1314-12** Test Method for Compressive Strength of Masonry Prisms, **04.05**
- C1315-11** Specification for Liquid Membrane-Forming Compounds Having Special Properties for Curing and Sealing Concrete, **04.02**
- C1316-08** Test Method for Nondestructive Assay of Nuclear Material in Scrap and Waste by Passive-Active Neutron Counting Using, **12.01**
- C1317 Withdrawn 2001; Practice for Dissolution of Silicate or Acid-Resistant Matrix Samples; Replaced by C1463*
- C1318-95(2009)<sup>1</sup>** Test Method for Determination of Total Neutralizing Capability and Dissolved Calcium and Magnesium Oxide in Lime for Flue Gas Desulfurization (FGD), **04.01**
- C1319-11** Specification for Concrete Grid Paving Units, **04.05**
- C1320-10** Practice for Installation of Mineral Fiber Batt and Blanket Thermal Insulation for Light Frame Construction, **04.06**
- C1321-14** Practice for Installation and Use of Interior Radiation Control Coating Systems (IRCCS) in Building Construction, **04.06**
- C1322-05b(2010)** Practice for Fractography and Characterization of Fracture Origins in Advanced Ceramics, **15.01**
- C1323-10** Test Method for Ultimate Tensile Strength of Advanced Ceramics with Diametrically Compressed C-Ring Specimens at Ambient Temperature, **15.01**
- C1324-10** Test Method for Examination and Analysis of Hardened Masonry Mortar, **04.05**
- C1325-08b** Specification for Non-Asbestos Fiber-Mat Reinforced Cementitious Backer Units, **04.05**
- C1326-13** Test Method for Knoop Indentation Hardness of Advanced Ceramics, **15.01**
- C1327-08** Test Method for Vickers Indentation Hardness of Advanced Ceramics, **15.01**
- C1328/C1328M-12** Specification for Plastic (Stucco) Cement, **04.01**
- C1329/C1329M-12** Specification for Mortar Cement, **04.01**
- C1330-02(2013)** Specification for Cylindrical Sealant Backing for Use with Cold Liquid-Applied Sealants, **04.07**
- C1331-01(2012)** Test Method for Measuring Ultrasonic Velocity in Advanced Ceramics with Broadband Pulse-Echo Cross-Correlation Method, **15.01**
- C1332-01(2013)** Test Method for Measurement of Ultrasonic Attenuation Coefficients of Advanced Ceramics by Pulse-Echo Contact Technique, **15.01**
- C1333 Not Assigned*
- C1334-05(2010)** Specification for Uranium Oxides with a 235U Content of Less Than 5 % for Dissolution Prior to Conversion to Nuclear-Grade Uranium Dioxide, **12.01**
- C1335-12** Test Method for Measuring Non-Fibrous Content of Man-Made Rock and Slag Mineral Fiber Insulation, **04.06**
- C1336-96(2014)** Practice for Fabricating Non-Oxide Ceramic Reference Specimens Containing Seeded Inclusions, **15.01**
- C1337-10** Test Method for Creep and Creep Rupture of Continuous Fiber-Reinforced Advanced Ceramics Under Tensile Loading at Elevated Temperatures, **15.01**

- C1338-14** Test Method for Determining Fungi Resistance of Insulation Materials and Facings, **04.06**
- C1339-02(2012)** Test Method for Flowability and Bearing Area of Chemical-Resistant Polymer Machinery Grouts, **04.02**
- C1340/C1340M-10** Practice for Estimation of Heat Gain or Loss Through Ceilings Under Attics Containing Radiant Barriers by Use of a Computer Program, **04.06**
- C1341-13** Test Method for Flexural Properties of Continuous Fiber-Reinforced Advanced Ceramic Composites, **15.01**  
*C1342 Withdrawn 2001; Practice for Flux Fusion Sample Dissolution*
- C1343-11** Test Method for Determination of Low Concentrations of Uranium in Oils and Organic Liquids by X-ray Fluorescence, **12.01**
- C1344-97(2013)** Test Method for Isotopic Analysis of Uranium Hexafluoride by Single-Standard Gas Source Mass Spectrometer Method, **12.01**
- C1345-08** Test Method for Analysis of Total and Isotopic Uranium and Total Thorium in Soils by Inductively Coupled Plasma-Mass Spectrometry, **12.01**
- C1346-08(2014)** Practice for Dissolution of UF, **12.01**
- C1347-08(2014)<sup>1</sup>** Practice for Preparation and Dissolution of Uranium Materials for Analysis, **12.01**  
*C1348 Withdrawn 2013; Specification for Blended Uranium Oxides with <sup>235</sup>U Content of Less Than 5 % for Direct Hydrogen Reduction to Nuclear Grade Uranium Dioxide*
- C1349-10** Specification for Architectural Flat Glass Clad Polycarbonate, **15.02**
- C1350M-96(2013)** Test Method for Measurement of Viscosity of Glass Between Softening Point and Annealing Range (Approximately 10, **15.02**
- C1351M-96(2012)** Test Method for Measurement of Viscosity of Glass Between 10, **15.02**
- C1352/C1352M-09** Test Method for Flexural Modulus of Elasticity of Dimension Stone, **04.07**
- C1353/C1353M-09<sup>1</sup>** Test Method for Abrasion Resistance of Dimension Stone Subjected to Foot Traffic Using a Rotary Platform, Double-Head Abraser, **04.07**
- C1354/C1354M-09** Test Method for Strength of Individual Stone Anchorages in Dimension Stone, **04.07**
- C1355/C1355M-96(2011)** Specification for Glass Fiber Reinforced Gypsum Composites, **04.01**
- C1356-07(2012)** Test Method for Quantitative Determination of Phases in Portland Cement Clinker by Microscopical Point-Count Procedure, **04.01**
- C1357-09** Test Methods for Evaluating Masonry Bond Strength, **04.05**
- C1358-13** Test Method for Monotonic Compressive Strength Testing of Continuous Fiber-Reinforced Advanced Ceramics with Solid Rectangular Cross-Section Test Specimens at Ambient Temperatures, **15.01**
- C1359-13** Test Method for Monotonic Tensile Strength Testing of Continuous Fiber-Reinforced Advanced Ceramics With Solid Rectangular Cross-Section Test Specimens at Elevated Temperatures, **15.01**
- C1360-10** Practice for Constant-Amplitude, Axial, Tension-Tension Cyclic Fatigue of Continuous Fiber-Reinforced Advanced Ceramics at Ambient Temperatures, **15.01**
- C1361-10** Practice for Constant-Amplitude, Axial, Tension-Tension Cyclic Fatigue of Advanced Ceramics at Ambient Temperatures, **15.01**  
*C1362 Withdrawn 2014; Test Method for Flow of Freshly Mixed Hydraulic-Cement Concrete*
- C1363-11** Test Method for Thermal Performance of Building Materials and Envelope Assemblies by Means of a Hot Box Apparatus, **04.06**
- C1364-10b** Specification for Architectural Cast Stone, **04.05**
- C1365-06(2011)** Test Method for Determination of the Proportion of Phases in Portland Cement and Portland-Cement Clinker Using X-Ray Powder Diffraction Analysis, **04.01**
- C1366-04(2013)** Test Method for Tensile Strength of Monolithic Advanced Ceramics at Elevated Temperatures, **15.01**
- C1367-06(2012)** Test Method for Dead Load Resistance of a Sealant in Elevated Temperatures, **04.07**
- C1368-10** Test Method for Determination of Slow Crack Growth Parameters of Advanced Ceramics by Constant Stress-Rate Strength Testing at Ambient Temperature, **15.01**
- C1369-07(2014)** Specification for Secondary Edge Sealants for Structurally Glazed Insulating Glass Units, **04.07**
- C1370-00(2012)** Test Method for Determining Chemical Resistance of Aggregates for Use in Chemical-Resistant Sulfur Polymer Cement Concrete and Other Chemical-Resistant Polymer Concretes, **04.05**
- C1371-04a(2010)<sup>1</sup>** Test Method for Determination of Emission of Materials Near Room Temperature Using Portable Emissometers, **04.06**
- C1372-11** Specification for Dry-Cast Segmental Retaining Wall Units, **04.05**
- C1373/C1373M-11** Practice for Determination of Thermal Resistance of Attic Insulation Systems Under Simulated Winter Conditions, **04.06**
- C1374-14** Test Method for Determination of Installed Thickness of Pneumatically Applied Loose-Fill Building Insulation, **04.06**
- C1375-00(2014)** Guide for Substrates Used in Testing Building Seals and Sealants, **04.07**
- C1376-10** Specification for Pyrolytic and Vacuum Deposition Coatings on Flat Glass, **15.02**
- C1377-97(2009)** Test Method for Calibration of Surface/Stress Measuring Devices, **15.02**
- C1378-04(2009)** Test Method for Determination of Resistance to Staining, **15.02**
- C1379-10** Test Method for Analysis of Urine for Uranium-235 and Uranium-238 Isotopes by Inductively Coupled Plasma-Mass Spectrometry, **12.01**
- C1380-04(2011)** Test Method for the Determination of Uranium Content and Isotopic Composition by Isotope Dilution Mass Spectrometry, **12.01**
- C1381/C1381M-97(2013)** Specification for Molded Glass Fiber Reinforced Gypsum Parts, **04.01**
- C1382-11** Test Method for Determining Tensile Adhesion Properties of Sealants When Used in Exterior Insulation and Finish Systems (EIFS) Joints, **04.07**
- C1383-04(2010)** Test Method for Measuring the P-Wave Speed and the Thickness of Concrete Plates Using the Impact-Echo Method, **04.02**
- C1384-12a** Specification for Admixtures for Masonry Mortars, **04.05**
- C1385/C1385M-10** Practice for Sampling Materials for Shotcrete, **04.02**  
*C1386 Withdrawn 2013; Specification for Precast Autoclaved Aerated Concrete (AAC) Wall Construction Units*
- C1387-14** Guide for the Determination of Technetium-99 in Soil, **12.01**  
*C1388 Withdrawn 1999; Test Method for Compressive Strength of Laboratory Constructed Masonry Prisms*
- C1389 Redesignated E514*  
*C1390 Redesignated E518*  
*C1391 Redesignated E519*
- C1392-00(2014)** Guide for Evaluating Failure of Structural Sealant Glazing, **04.07**
- C1393-14** Specification for Perpendicularly Oriented Mineral Fiber Roll and Sheet Thermal Insulation for Pipes and Tanks, **04.06**
- C1394-03(2012)** Guide for In-Situ Structural Silicone Glazing Evaluation, **04.07**  
*C1395/C1395M Withdrawn 2005; Specification for Gypsum Ceiling Board*
- C1396/C1396M-14** Specification for Gypsum Board, **04.01**
- C1397-13** Practice for Application of Class PB Exterior Insulation and Finish Systems (EIFS) and EIFS with Drainage, **04.01**  
*C1398 Withdrawn 2010; Test Method for the Laboratory Determination of the Time of Setting of Hydraulic-Cement Mortars Containing Additives for Shotcrete by the Use of Gillmore Needles*
- C1399/C1399M-10** Test Method for Obtaining Average Residual-Strength of Fiber-Reinforced Concrete, **04.02**
- C1400-11** Guide for Reduction of Efflorescence Potential in New Masonry Walls, **04.05**
- C1401-14** Guide for Structural Sealant Glazing, **04.07**
- C1402-04(2009)** Guide for High-Resolution Gamma-Ray Spectrometry of Soil Samples, **12.01**
- C1403-13** Test Method for Rate of Water Absorption of Masonry Mortars, **04.05**  
*C1404/C1404M Withdrawn 2011; Test Method for Bond Strength of Adhesive Systems Used With Concrete as Measured by Direct Tension*
- C1405-14** Specification for Glazed Brick (Single Fired, Brick Units), **04.05**  
*C1406 Withdrawn 1998; Guide for Minimum Basic Polygraph Training and Education; Redesignated E2000*
- C1407-98(2011)<sup>1</sup>** Practice for Calculating Areas, Volume, and Linear Change of Refractory Shapes, **15.01**
- C1408-09** Test Method for Carbon (Total) in Uranium Oxide Powders and Pellets By Direct Combustion-Infrared Detection Method, **12.01**
- C1409-12** Guide for Measuring and Estimating Quantities of Insulated Piping and Components, **04.06**
- C1410-13** Specification for Cellular Melamine Thermal and Sound-Absorbing Insulation, **04.06**
- C1411-14** Practice for The Ion Exchange Separation of Uranium and Plutonium Prior to Isotopic Analysis, **12.01**  
*C1412 Withdrawn 2001; Practice for Microwave Oven Dissolution of Glass Containing Radioactive and Mixed Wastes*
- C1413-05(2011)** Test Method for Isotopic Analysis of Hydrolyzed Uranium Hexafluoride and Uranyl Nitrate Solutions by Thermal Ionization Mass Spectrometry, **12.01**
- C1414-01(2014)** Practice for The Separation of Americium from Plutonium by Ion Exchange, **12.01**
- C1415-14** Test Method for <sup>238</sup>Pu Isotopic Abundance By Alpha Spectrometry, **12.01**
- C1416** *Withdrawn 2013; Test Method for Uranium Analysis Waste Water by X-ray Fluorescence; Replaced by D5673*, **12.01**
- C1417-14** Specification for Manufacture of Reinforced Concrete Sewer, Storm Drain, and Culvert Pipe for Direct Design, **04.05**
- C1417M-14** Specification for Manufacture of Reinforced Concrete Sewer, Storm Drain, and Culvert Pipe for Direct Design (Metric), **04.05**
- C1419-99a(2009)** Test Method for Sonic Velocity in Refractory Materials at Room Temperature and Its Use in Obtaining an Approximate Young's Modulus, **15.01**  
*C1420 Withdrawn 2006; Practice for Selection, Removal, and Shipment of Manufactured Masonry Units Placed in Usage; Replaced by C1532*
- C1421-10** Test Methods for Determination of Fracture Toughness of Advanced Ceramics at Ambient Temperature, **15.01**
- C1422/C1422M-10** Specification for Chemically Strengthened Flat Glass, **15.02**
- C1423-98(2011)** Guide for Selecting Jacketing Materials for Thermal Insulation, **04.06**
- C1424-10** Test Method for Monotonic Compressive Strength of Advanced Ceramics at Ambient Temperature, **15.01**
- C1425-13** Test Method for Interlaminar Shear Strength of 1-D and 2-D Continuous Fiber-Reinforced Advanced Ceramics at Elevated Temperatures, **15.01**
- C1426-09** Practices for Verification and Calibration of Polarimeters, **15.02**
- C1427-13** Specification for Extruded Preformed Flexible Cellular Polyolefin Thermal Insulation in Sheet and Tubular Form, **04.06**
- C1428-11** Test Method for Isotopic Analysis of Uranium Hexafluoride by Single-Standard Gas Source Multiple Collector Mass Spectrometer Method, **12.01**

- C1429-99(2014)** Test Method for Isotopic Analysis of Uranium Hexafluoride by Double-Standard Multi-Collector Gas Mass Spectrometer, **12.01**
- C1430-07(2011)<sup>1</sup>** Test Method for Determination of Uranium, Oxygen to Uranium (O/U), and Oxygen to Metal (O/M) in Sintered Uranium Dioxide and Gadolinia-Uranium Dioxide Pellets by Atmospheric Equilibration, **12.01**
- C1431-99(2010)<sup>1</sup>** Guide for Corrosion Testing of Aluminum-Based Spent Nuclear Fuel in Support of Repository Disposal, **12.01**
- C1432-03(2008)** Test Method for Determination of Impurities in Plutonium: Acid Dissolution, Ion Exchange Matrix Separation, and Inductively Coupled Plasma-Atomic Emission Spectroscopic (ICP/AES) Analysis, **12.01**
- C1433-14** Specification for Precast Reinforced Concrete Monolithic Box Sections for Culverts, Storm Drains, and Sewers, **04.05**
- C1433M-14** Specification for Precast Reinforced Concrete Monolithic Box Sections for Culverts, Storm Drains, and Sewers (Metric), **04.05**
- C1435/C1435M-08** Practice for Molding Roller-Compacted Concrete in Cylinder Molds Using a Vibrating Hammer, **04.02**
- C1436-13** Specification for Materials for Shotcrete, **04.02**
- C1437-13** Test Method for Flow of Hydraulic Cement Mortar, **04.01**
- C1438-13** Specification for Latex and Powder Polymer Modifiers for use in Hydraulic Cement Concrete and Mortar, **04.02**
- C1439-13** Test Methods for Evaluating Latex and Powder Polymer Modifiers for use in Hydraulic Cement Concrete and Mortar, **04.02**
- C1440-08(2013)<sup>1</sup>** Specification for Thermoplastic Elastomeric (TPE) Gasket Materials for Drain, Waste, and Vent (DWV), Sewer, Sanitary and Storm Plumbing Systems, **01.02**
- C1441-13** Test Method for The Analysis of Refrigerant 114, Plus Other Carbon-Containing and Fluorine-Containing Compounds in Uranium Hexafluoride via Fourier-Transform Infrared (FTIR) Spectroscopy, **12.01**
- C1442-14** Practice for Conducting Tests on Sealants Using Artificial Weathering Apparatus, **04.07**
- C1443-99(2010)** Specification for Glasses, Portlight, Circular, Fully Tempered, **15.02**
- C1444 Withdrawn 2005; Test Method for Measuring the Angle of Repose of Free-Flowing Mold Powders*
- C1445-13** Test Method for Measuring Consistency of Castable Refractory Using a Flow Table, **15.01**
- C1446-11** Test Method for Measuring Consistency of Self-Flowing Castable Refractories, **15.01**
- C1447/C1447M-04(2010)** Specification for Non-Asbestos Fiber-Cement Underdrain Pipe, **04.05**
- C1448/C1448M-05(2010)** Specification for Non-Asbestos Fiber-Cement Conduit, **04.05**
- C1449/C1449M-05a(2010)** Specification for Non-Asbestos Fiber-Cement Nonpressure Sewer Pipe, **04.05**
- C1450/C1450M-04(2010)** Specification for Non-Asbestos Fiber-Cement Storm Drain Pipe, **04.05**
- C1451-11** Practice for Determining Variability of Ingredients of Concrete From a Single Source, **04.02**
- C1452 Withdrawn 2013; Specification for Reinforced Autoclaved Aerated Concrete Elements*
- C1453-00(2011)** Test Method for the Determination of Uranium by Ignition and the Oxygen to Uranium (O/U) Atomic Ratio of Nuclear Grade Uranium Dioxide Powders and Pellets, **12.01**
- C1454-07** Guide for Pyrophoricity/Combustibility Testing in Support of Pyrophoricity Analyses of Metallic Uranium Spent Nuclear Fuel, **12.01**
- C1455-14** Test Method for Nondestructive Assay of Special Nuclear Material Holdup Using Gamma-Ray Spectroscopic Methods, **12.01**
- C1456-13** Test Method for Determination of Uranium or Gadolinium (or both) in Gadolinium Oxide-Uranium Oxide Pellets or by X-Ray Fluorescence (XRF), **12.01**
- C1457-00(2010)<sup>1</sup>** Test Method for Determination of Total Hydrogen Content of Uranium Oxide Powders and Pellets by Carrier Gas Extraction, **12.01**
- C1458-09<sup>1</sup>** Test Method for Nondestructive Assay of Plutonium, Tritium and <sup>241</sup>Am by Calorimetric Assay, **12.01**
- C1459-04(2009)** Specification for Performance of Non-Asbestos Fiber-Reinforced Cement Shake, Shingle, and Slate Roofing Systems, **04.05**
- C1460-12** Specification for Shielded Transition Couplings for Use With Dissimilar DWV Pipe and Fittings Above Ground, **01.02**
- C1461-08(2013)** Specification for Mechanical Couplings Using Thermoplastic Elastomeric (TPE) Gaskets for Joining Drain, Waste, and Vent (DWV), Sewer, Sanitary, and Storm Plumbing Systems for Above and Below Ground Use, **01.02**
- C1462-00(2013)** Specification for Uranium Metal Enriched to More than 15 % and Less Than 20 %, **12.01**
- C1463-13** Practices for Dissolving Glass Containing Radioactive and Mixed Waste for Chemical and Radiochemical Analysis, **12.01**
- C1464-06(2011)** Specification for Bent Glass, **15.02**
- C1465-08(2013)** Test Method for Determination of Slow Crack Growth Parameters of Advanced Ceramics by Constant Stress-Rate Flexural Testing at Elevated Temperatures, **15.01**
- C1466-00(2012)** Test Method for Graphite Furnace Atomic Absorption Spectrometric Determination of Lead and Cadmium Extracted from Ceramic Foodware, **15.02**
- C1467/C1467M-00(2012)** Specification for the Installation of Molded Glass Fiber Reinforced Gypsum Parts, **04.01**
- C1468-13** Test Method for Transthickness Tensile Strength of Continuous Fiber-Reinforced Advanced Ceramics at Ambient Temperature, **15.01**
- C1469-10** Test Method for Shear Strength of Joints of Advanced Ceramics at Ambient Temperature, **15.01**
- C1470-06(2013)** Guide for Testing the Thermal Properties of Advanced Ceramics, **15.01**
- C1471-05** Guide for the Use of High Solids Content Cold Liquid-Applied Elastomeric Waterproofing Membrane on Vertical Surfaces, **04.04**
- C1472-10** Guide for Calculating Movement and Other Effects When Establishing Sealant Joint Width, **04.07**
- C1473-11** Test Method for Radiochemical Determination of Uranium Isotopes in Urine by Alpha Spectrometry, **12.01**
- C1474-00(2011)** Test Method for Analysis of Isotopic Composition of Uranium in Nuclear-Grade Fuel Material by Quadrupole Inductively Coupled Plasma-Mass Spectrometry, **12.01**
- C1475-05(2010)<sup>1</sup>** Guide for Determination of Neptunium-237 in Soil, **12.01**
- C1476 Withdrawn 2011; Test Method for Analysis of Urine for Technetium-99 by Inductively Coupled Plasma-Mass Spectrometry*
- C1477-08(2014)** Test Method for Isotopic Abundance Analysis of Uranium Hexafluoride and Uranyl Nitrate Solutions by Multi-Collector, Inductively Coupled Plasma-Mass Spectrometry, **12.01**
- C1478-08(2013)** Specification for Storm Drain Resilient Connectors Between Reinforced Concrete Storm Sewer Structures, Pipes, and Laterals, **04.05**
- C1478M-08a(2013)** Specification for Storm Drain Resilient Connectors Between Reinforced Concrete Storm Sewer Structures, Pipes, and Laterals (Metric), **04.05**
- C1479-13** Practice for Installation of Precast Concrete Sewer, Storm Drain, and Culvert Pipe Using Standard Installations, **04.05**
- C1479M-13** Practice for Installation of Precast Concrete Sewer, Storm Drain, and Culvert Pipe Using Standard Installations (Metric), **04.05**
- C1480/C1480M-07(2012)** Specification for Packaged, Pre-Blended, Dry, Combined Materials for Use in Wet or Dry Shotcrete Application, **04.02**
- C1481-12** Guide for Use of Joint Sealants with Exterior Insulation and Finish Systems (EIFS), **04.07**
- C1482-12** Specification for Polyimide Flexible Cellular Thermal and Sound Absorbing Insulation, **04.06**
- C1483/C1483M-04(2009)** Specification for Exterior Solar Radiation Control Coatings on Buildings, **04.06**
- C1484-10** Specification for Vacuum Insulation Panels, **04.06**
- C1485-13** Test Method for Critical Radiant Flux of Exposed Attic Floor Insulation Using an Electric Radiant Heat Energy Source, **04.06**
- C1486-00(2012)** Practice for Testing Chemical-Resistant Broadcast and Slurry-Broadcast Resin Monolithic Floor Surfacing, **06.02**
- C1487-02(2012)** Guide for Remediating Structural Silicone Glazing, **04.07**
- C1488 Withdrawn 2013; Practice for Simulated Aging of Cellulosic Loose-Fill Insulation*
- C1489-01(2008)<sup>1</sup>** Specification for Lime Putty for Structural Purposes, **04.01**
- C1490-14** Guide for the Selection, Training and Qualification of Nondestructive Assay (NDA) Personnel, **12.01**
- C1491-13** Specification for Concrete Roof Pavers, **04.05**
- C1492-03(2009)** Specification for Concrete Roof Tile, **04.05**
- C1493-09** Test Method for Non-Destructive Assay of Nuclear Material in Waste by Passive and Active Neutron Counting Using a Differential Die-Away System, **12.01**
- C1494-13** Test Methods for Determination of Mass Fraction of Carbon, Nitrogen, and Oxygen in Silicon Nitride Powder, **15.01**
- C1495-07(2012)** Test Method for Effect of Surface Grinding on Flexure Strength of Advanced Ceramics, **15.01**
- C1496-11** Guide for Assessment and Maintenance of Exterior Dimension Stone Masonry Walls and Facades, **04.07**
- C1497-12** Specification for Cellulosic Fiber Stabilized Thermal Insulation, **04.06**
- C1498-04a(2010)<sup>1</sup>** Test Method for Hygroscopic Sorption Isotherms of Building Materials, **04.06**
- C1499-09(2013)** Test Method for Monotonic Equibiaxial Flexural Strength of Advanced Ceramics at Ambient Temperature, **15.01**
- C1500-08** Test Method for Nondestructive Assay of Plutonium by Passive Neutron Multiplicity Counting, **12.01**
- C1501-14** Test Method for Color Stability of Building Construction Sealants as Determined by Laboratory Accelerated Weathering Procedures, **04.07**
- C1502-09** Test Method for Determination of Total Chlorine and Fluorine in Uranium Dioxide and Gadolinium Oxide, **12.01**
- C1503-08(2013)** Specification for Silvered Flat Glass Mirror, **15.02**
- C1504-14** Specification for Manufacture of Precast Reinforced Concrete Three-Sided Structures for Culverts and Storm Drains, **04.05**
- C1504M-14** Specification for Manufacture of Precast Reinforced Concrete Three-Sided Structures for Culverts and Storm Drains (Metric), **04.05**
- C1505-01(2007)** Test Method for Determination of Breaking Strength of Ceramic Tiles by Three-Point Loading, **15.02**
- C1506-09** Test Method for Water Retention of Hydraulic Cement-Based Mortars and Plasters, **04.01**
- C1507-12** Test Method for Radiochemical Determination of Strontium-90 in Soil, **12.01**
- C1508-01(2011)** Test Method for Determination of Bromine and Chlorine in UF, **12.01**
- C1509-02(2012)** Specification for Beaded Process Glass Pipe and Fittings, **15.02**
- C1510-01(2012)** Test Method for Color and Color Difference of Whitewares by Abridged Spectrophotometry, **15.02**
- C1511-04(2009)** Test Method for Determining the Water Retention (Repellency) Characteristics of Fibrous Glass Insulation (Aircraft Type), **04.06**

- C1512-10** Test Method for Characterizing the Effect of Exposure to Environmental Cycling on Thermal Performance of Insulation Products, **04.06**
- C1513-13** Specification for Steel Tapping Screws for Cold-Formed Steel Framing Connections, **04.01**
- C1514-08** Test Method for Measurement of, **12.01**
- C1515-14** Guide for Cleaning of Exterior Dimension Stone, Vertical And Horizontal Surfaces, New or Existing, **04.07**
- C1516-05(2011)** Practice for Application of Direct-Applied Exterior Finish Systems, **04.01**
- C1517-09** Test Method for Determination of Metallic Impurities in Uranium Metal or Compounds by DC-Arc Emission Spectroscopy, **12.01**
- C1518-04(2009)** Specification for Precured Elastomeric Silicone Joint Sealants, **04.07**
- C1519-10** Test Method for Evaluating Durability of Building Construction Sealants by Laboratory Accelerated Weathering Procedures, **04.07**
- C1520-02(2010)** Guide for Paintability of Latex Sealants, **04.07**
- C1521-13** Practice for Evaluating Adhesion of Installed Weatherproofing Sealant Joints, **04.07**
- C1522-05(2013)** Test Method for Extensibility After Heat Aging of Cold Liquid-Applied Elastomeric Waterproofing Membranes, **04.04**
- C1523-10** Test Method for Determining Modulus, Tear and Adhesion Properties of Precured Elastomeric Joint Sealants, **04.07**
- C1524-02a(2010)** Test Method for Water-Extractable Chloride in Aggregate (Soxhlet Method), **04.02**
- C1525-04(2013)** Test Method for Determination of Thermal Shock Resistance for Advanced Ceramics by Water Quenching, **15.01**
- C1526-08(2014)** Specification for Serpentine Dimension Stone, **04.07**
- C1527/C1527M-11** Specification for Travertine Dimension Stone, **04.07**
- C1528-13** Guide for Selection of Dimension Stone, **04.07**
- C1529-06a(2011)** Specification for Quicklime, Hydrated Lime, and Limestone for Environmental Uses, **04.01**
- C1530/C1530M-04(2010)<sup>1</sup>** Specification for Non-Asbestos Fiber-Cement Roofing Shakes, Shingles, and Slates with Designed Varying Profiles and Thicknesses, **04.05**
- C1531-09** Test Methods for In Situ Measurement Of Masonry Mortar Joint Shear Strength Index, **04.05**
- C1532/C1532M-12** Practice for Selection, Removal, and Shipment of Manufactured Masonry Units and Masonry Specimens from Existing Construction, **04.05**
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- C1534-14** Specification for Flexible Polymeric Foam Sheet Insulation Used as a Thermal and Sound Absorbing Liner for Duct Systems, **04.06**
- C1535-05(2011)** Practice for Application of Exterior Insulation and Finish Systems Class PI, **04.01**
- C1536-10** Test Method for Measuring the Yield for Aerosol Foam Sealants, **04.07**
- C1539-08(2014)** Test Method for Determination of Technetium-99 in Uranium Hexafluoride by Liquid Scintillation Counting, **12.01**
- C1540-11** Specification for Heavy Duty Shielded Couplings Joining Hubless Cast Iron Soil Pipe and Fittings, **01.02**
- C1541-12** Specification for Shielded Transition Couplings Using Flexible Poly Vinyl Chloride (PVC) Gaskets to Connect Dissimilar DWV Pipe and Fittings, **01.02**
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- C1543-10a** Test Method for Determining the Penetration of Chloride Ion into Concrete by Ponding, **04.02**
- C1545-02(2012)** Practice for Dispersing Pigments and Other Materials into Water-Based Suspensions with a High Intensity Mixer, **15.02**
- C1546-02(2014)** Guide for Installation of Gypsum Products in Concealed Radiant Ceiling Heating Systems, **04.01**
- C1547-02(2013)** Classification for Fusion-Cast Refractory Blocks and Shapes, **15.01**
- C1548-02(2012)** Test Method for Carbon and Alloy Steel Forgings for Magnetic Retaining Rings for Turbine Generators, **15.01**
- C1549-09** Test Method for Determination of Solar Reflectance Near Ambient Temperature Using a Portable Solar Reflectometer, **04.06**
- C1550-12a** Test Method for Flexural Toughness of Fiber Reinforced Concrete (Using Centrally Loaded Round Panel), **04.02**
- C1552-12** Practice for Capping Concrete Masonry Units, Related Units and Masonry Prisms for Compression Testing, **04.05**
- C1553-08** Guide for Drying Behavior of Spent Nuclear Fuel, **12.01**
- C1554-11** Guide for Materials Handling Equipment for Hot Cells, **12.01**
- C1555** *Withdrawn 2009; Practice for Autoclaved Aerated Concrete Masonry; Replaced by C1692*
- C1556-11a** Test Method for Determining the Apparent Chloride Diffusion Coefficient of Cementitious Mixtures by Bulk Diffusion, **04.02**
- C1557-03(2013)** Test Method for Tensile Strength and Young's Modulus of Fibers, **15.01**
- C1558-12** Guide for Development of Standard Data Records for Computerization of Thermal Transmission Test Data for Thermal Insulation, **04.06**
- C1559-04(2009)** Test Method for Determining Wicking of Fibrous Glass Blanket Insulation (Aircraft Type), **04.06**
- C1560-03(2009)** Test Method for Hot Water Accelerated Aging of Glass-Fiber Reinforced Cement-Based Composites, **04.05**
- C1561-10** Guide for Determination of Plutonium and Neptunium in Uranium Hexafluoride and U-Rich Matrix by Alpha Spectrometry, **12.01**
- C1562-10** Guide for Evaluation of Materials Used in Extended Service of Interim Spent Nuclear Fuel Dry Storage Systems, **12.01**
- C1563-08(2013)** Test Method for Gaskets for Use in Connection with Hub and Spigot Cast Iron Soil Pipe and Fittings for Sanitary Drain, Waste, Vent, and Storm Piping Applications, **01.02**
- C1564-04(2009)** Guide for Use of Silicone Sealants for Protective Glazing Systems, **04.07**
- C1565-09** Test Method for Determination of Pack-Set Index of Portland Cement, **04.01**
- C1567-13** Test Method for Determining the Potential Alkali-Silica Reactivity of Combinations of Cementitious Materials and Aggregate (Accelerated Mortar-Bar Method), **04.02**
- C1568-08(2013)** Test Method for Wind Resistance of Concrete and Clay Roof Tiles (Mechanical Uplift Resistance Method), **04.05**
- C1569-03(2009)** Test Method for Wind Resistance of Concrete and Clay Roof Tiles (Wind Tunnel Method), **04.05**
- C1570-03(2009)** Test Method for Wind Resistance of Concrete and Clay Roof Tiles (Air Permeability Method), **04.05**
- C1571-03(2012)** Guide for Characterization of Radioactive and/or Hazardous Wastes for Thermal Treatment, **12.01**
- C1572-10** Guide for Dry Lead Glass and Oil-Filled Lead Glass Radiation Shielding Window Components for Remotely Operated Facilities, **12.01**
- C1574-04(2013)** Guide for Determining Blown Density of Pneumatically Applied Loose-Fill Mineral Fiber Thermal Insulation, **04.06**
- C1576-05(2010)** Test Method for Determination of Slow Crack Growth Parameters of Advanced Ceramics by Constant Stress Flexural Testing (Stress Rupture) at Ambient Temperature, **15.01**
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- C1580-09<sup>1</sup>** Test Method for Water-Soluble Sulfate in Soil, **04.02**
- C1581/C1581M-09a** Test Method for Determining Age at Cracking and Induced Tensile Stress Characteristics of Mortar and Concrete under Restrained Shrinkage, **04.02**
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- C1585-13** Test Method for Measurement of Rate of Absorption of Water by Hydraulic-Cement Concretes, **04.02**
- C1586-05(2011)** Guide for Quality Assurance of Mortars, **04.05**
- C1587-09** Practice for Preparation of Field Removed Manufactured Masonry Units and Masonry Specimens for Testing, **04.05**
- C1589/C1589M-14** Practice for Outdoor Weathering of Construction Seals and Sealants, **04.07**
- C1590-04(2014)** Practice for Alternate Actinide Calibration for Inductively Coupled Plasma-Mass Spectrometry, **12.01**
- C1591** *Withdrawn 2013; Test Method for Determination of the Modulus of Elasticity of AAC*
- C1592/C1592M-09** Guide for Making Quality Nondestructive Assay Measurements, **12.01**
- C1594-11** Specification for Polyimide Rigid Cellular Thermal Insulation, **04.06**
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- C1600/C1600M-11** Specification for Rapid Hardening Hydraulic Cement, **04.01**
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- C1603-10** Test Method for Measurement of Solids in Water, **04.02**
- C1604/C1604M-05(2012)** Test Method for Obtaining and Testing Drilled Cores of Shotcrete, **04.02**
- C1605-04(2009)** Test Methods for Chemical Analysis of Ceramic Whiteware Materials Using Wavelength Dispersive X-Ray Fluorescence Spectrometry, **15.02**
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- C1607-12** Test Method for Determination of Microwave Safe for Reheating for Ceramicware, **15.02**
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- C1616-07(2012)** Test Method for Determining the Moisture Content of Organic and Inorganic Insulation Materials by Weight, **04.06**
- C1617-09** Practice for Quantitative Accelerated Laboratory Evaluation of Extraction Solutions Containing Ions Leached from Thermal Insulation on Aqueous Corrosion of Metals, **04.06**



- C1618-13** Test Method for Concrete Sanitary Sewer Pipe by Negative (Vacuum) or Positive Air Pressure, **04.05**
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- C1619-11** Specification for Elastomeric Seals for Joining Concrete Structures, **04.05**
- C1620-12** Specification for Aerosol Polyurethane and Aerosol Latex Foam Sealants, **04.07**
- C1621/C1621M-14** Test Method for Passing Ability of Self-Consolidating Concrete by J-Ring, **04.02**
- C1622/C1622M-10** Specification for Cold-Weather Admixture Systems, **04.02**
- C1623-11** Specification for Manufactured Concrete Masonry Lintels, **04.05**
- C1624-05(2010)** Test Method for Adhesion Strength and Mechanical Failure Modes of Ceramic Coatings by Quantitative Single Point Scratch Testing, **15.01**
- C1625-12** Test Method for Uranium and Plutonium Concentrations and Isotopic Abundances by Thermal Ionization Mass Spectrometry, **12.01**
- C1628-11** Specification for Joints for Concrete Gravity Flow Sewer Pipe, Using Rubber Gaskets, **04.05**
- C1629/C1629M-14** Classification for Abuse-Resistant Nondecorated Interior Gypsum Panel Products and Fiber-Reinforced Cement Panels, **04.01**
- C1630-11** Guide for Development of Coverage Charts for Loose-Fill Thermal Building Insulations, **04.06**
- C1631 Withdrawn 2011; Specification for Cellular Polypropylene Thermal Insulation*
- C1634-11** Specification for Concrete Facing Brick, **04.05**
- C1635-06** Test Method to Evaluate Adhesion/Cohesion Properties of a Sealant at Fixed Extension, **04.07**
- C1636-13** Guide for the Determination of Uranium-232 in Uranium Hexafluoride, **12.01**
- C1637-13** Test Method for the Determination of Impurities in Plutonium Metal: Acid Digestion and Inductively Coupled Plasma-Mass Spectroscopy (ICP-MS) Analysis, **12.01**
- C1638-06(2013)** Guide for the Determination of Iodine-129 In Uranium Oxide, **12.01**
- C1639-10a** Specification for Fabrication Of Cellular Glass Pipe And Tubing Insulation, **04.06**
- C1642-07** Practice for Determining Air Leakage Rates of Aerosol Foam Sealants and Other Construction Joint Fill and Insulation Materials, **04.07**
- C1643-14** Test Method to Measuring the Post Dispensing Volumetric Expansion of Aerosol Foam Sealants, **04.07**
- C1644-06(2011)** Specification for Resilient Connectors Between Reinforced Concrete On-Site Wastewater Tanks and Pipes, **04.05**
- C1645/C1645M-11** Test Method for Freeze-thaw and De-icing Salt Durability of Solid Concrete Interlocking Paving Units, **04.05**
- C1646/C1646M-08a** Practice for Making and Curing Test Specimens for Evaluating Resistance of Coarse Aggregate to Freezing and Thawing in Air-Entrained Concrete, **04.02**
- C1647-13** Practice for Removal of Uranium or Plutonium, or both, for Impurity Assay in Uranium or Plutonium Materials, **12.01**
- C1648-12** Guide for Choosing a Method for Determining the Index of Refraction and Dispersion of Glass, **15.02**
- C1649-08** Practice for Instrumental Transmittance Measurement of Color for Flat Glass, Coated and Uncoated, **15.02**
- C1650-07** Practice for Instrumental Reflectance Measurement of Color for Flat Glass, Coated, and Uncoated, **15.02**
- C1651-11** Test Method for Measurement of Roll Wave Optical Distortion in Heat-Treated Flat Glass, **15.02**
- C1652/C1652M-06** Test Method for Measuring Optical Distortion in Flat Glass Products Using Digital Photography of Grids, **15.02**
- C1655-06(2011)** Classification of Fireclay and High-Alumina Mortars, **15.01**
- C1656-13** Guide for Measuring the Reactivity of Hydraulic Refractory Castables using Exothermic Profile, **15.01**
- C1658/C1658M-13** Specification for Glass Mat Gypsum Panels, **04.01**
- C1660-10** Specification for Thin-bed Mortar for Autoclaved Aerated Concrete (AAC) Masonry, **04.05**
- C1661-13** Guide for Viewing Systems for Remotely Operated Facilities, **12.01**
- C1662-10** Practice for Measurement of the Glass Dissolution Rate Using the Single-Pass Flow-Through Test Method, **12.01**
- C1663-09** Test Method for Measuring Waste Glass or Glass Ceramic Durability by Vapor Hydration Test, **12.01**
- C1666/C1666M-08** Specification for Alkali Resistant (AR) Glass Fiber for GFRC and Fiber-Reinforced Concrete and Cement, **04.05**
- C1667-09** Test Method for Using Heat Flow Meter Apparatus to Measure the Center-of-Panel Thermal Resistivity of Vacuum Panels, **04.06**
- C1668-13a** Specification for Externally Applied Reflective Insulation Systems on Rigid Duct in Heating, Ventilation, and Air Conditioning (HVAC) Systems, **04.06**
- C1670/C1670M-13a** Specification for Adhered Manufactured Stone Masonry Veneer Units, **04.05**
- C1671-07** Practice for Qualification and Acceptance of Boron Based Metallic Neutron Absorbers for Nuclear Criticality Control for Dry Cask Storage Systems and Transportation Packaging, **12.01**
- C1672-07(2014)** Test Method for Determination of Uranium or Plutonium Isotopic Composition or Concentration by the Total Evaporation Method Using a Thermal Ionization Mass Spectrometer, **12.01**
- C1673-10a<sup>1</sup>** Terminology of C26.10 Nondestructive Assay Methods, **12.01**
- C1674-11** Test Method for Flexural Strength of Advanced Ceramics with Engineered Porosity (Honeycomb Cellular Channels) at Ambient Temperatures, **15.01**
- C1675-11** Practice for Installation of Precast Reinforced Concrete Monolithic Box Sections for Culverts, Storm Drains, and Sewers, **04.05**
- C1676-08** Specification for Microporous Thermal Insulation, **04.06**
- C1677-11a** Specification for Joints for Concrete Box, Using Rubber Gaskets, **04.05**
- C1678-10** Practice for Fractographic Analysis of Fracture Mirror Sizes in Ceramics and Glasses, **15.01**
- C1679-14** Practice for Measuring Hydration Kinetics of Hydraulic Cementitious Mixtures Using Isothermal Calorimetry, **04.02**
- C1681-14** Test Method for Evaluating the Tear Resistance of a Sealant Under Constant Strain, **04.07**
- C1682-09** Guide for Characterization of Spent Nuclear Fuel in Support of Geologic Repository Disposal, **12.01**
- C1683-10** Practice for Size Scaling of Tensile Strengths Using Weibull Statistics for Advanced Ceramics, **15.01**
- C1684-13** Test Method for Flexural Strength of Advanced Ceramics at Ambient Temperature—Cylindrical Rod Strength, **15.01**
- C1685-08** Specification for Pneumatically Applied High-Temperature Fiber Thermal Insulation for Industrial Applications, **04.06**
- C1686-09** Practice for Installation and Testing of Reinforced Autoclaved Aerated Concrete (AAC) Units, **04.05**
- C1688/C1688M-14** Test Method for Density and Void Content of Freshly Mixed Pervious Concrete, **04.02**
- C1689-08a(2014)** Practice for Subsampling of Uranium Hexafluoride, **12.01**
- C1691-11** Specification for Unreinforced Autoclaved Aerated Concrete (AAC) Masonry Units, **04.05**
- C1692-11** Practice for Construction and Testing of Autoclaved Aerated Concrete (AAC) Masonry, **04.05**
- C1693-11** Specification for Autoclaved Aerated Concrete (AAC), **04.05**
- C1694-09** Specification for Reinforced Autoclaved Aerated Concrete (AAC) Elements, **04.05**
- C1695-10** Specification for Fabrication of Flexible Removable and Reusable Blanket Insulation for Hot Service, **04.06**
- C1696-14** Guide for Industrial Thermal Insulation Systems, **04.06**
- C1697-10** Specification for Blended Supplementary Cementitious Materials, **04.02**
- C1698-09** Test Method for Autogenous Strain of Cement Paste and Mortar, **04.02**
- C1699-09** Test Method for Moisture Retention Curves of Porous Building Materials Using Pressure Plates, **04.06**
- C1701/C1701M-09** Test Method for Infiltration Rate of In Place Pervious Concrete, **04.02**
- C1702-13a** Test Method for Measurement of Heat of Hydration of Hydraulic Cementitious Materials Using Isothermal Conduction Calorimetry, **04.01**
- C1703-08(2013)** Practice for Sampling of Gaseous Uranium Hexafluoride, **12.01**
- C1704/C1704M-09a** Test Method for Sampling and Testing Structural Cementitious Panels, **04.05**
- C1705/C1705M-09** Specification for Structural Cementitious Panels, **04.05**
- C1707-11** Specification for Pozzolanic Hydraulic Lime for Structural Purposes, **04.01**
- C1708/C1708M-13** Test Methods for Self-leveling Mortars Containing Hydraulic Cements, **04.02**
- C1709-11** Guide for Evaluation of Alternative Supplementary Cementitious Materials (ASCM) for Use in Concrete, **04.02**
- C1710-11** Guide for Installation of Flexible Closed Cell Preformed Insulation in Tube and Sheet Form, **04.06**
- C1712-14** Test Method for Rapid Assessment of Static Segregation Resistance of Self-Consolidating Concrete Using Penetration Test, **04.02**
- C1713-12** Specification for Mortars for the Repair of Historic Masonry, **04.05**
- C1714/C1714M-13a** Specification for Preblended Dry Mortar Mix for Unit Masonry, **04.05**
- C1715-10** Test Method for Evaluation of Water Leakage Performance of Masonry Wall Drainage Systems, **04.05**
- C1716/C1716M-12** Specification for Compression Testing Machine Requirements for Concrete Masonry Units, Related Units, and Prisms, **04.05**
- C1717-12** Test Methods for Conducting Strength Tests of Masonry Wall Panels, **04.05**
- C1718-10** Test Method for Nondestructive Assay of Radioactive Material by Tomographic Gamma Scanning, **12.01**
- C1719-11** Test Method for Installed Precast Concrete Tanks and Accessories by the Negative Air Pressure (Vacuum) Test Prior to Backfill, **04.05**
- C1720-11** Test Method for Determining Liquidus Temperature of Immobilized Waste Glasses and Simulated Waste Glasses, **12.01**
- C1721-09** Guide for Petrographic Examination of Dimension Stone, **04.07**
- C1722-11** Guide for Repair and Restoration of Dimension Stone, **04.07**
- C1723-10** Guide for Examination of Hardened Concrete Using Scanning Electron Microscopy, **04.02**
- C1725-10** Guide for Hot Cell Specialized Support Equipment and Tools, **12.01**
- C1726/C1726M-10** Guide for Use of Modeling for Passive Gamma Measurements, **12.01**
- C1728-13** Specification for Flexible Aerogel Insulation, **04.06**
- C1729-14** Specification for Aluminum Jacketing for Insulation, **04.06**
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- C1731-13** Specification for Concrete Floor Tile, **04.05**
- C1733-10** Test Method for Distribution Coefficients of Inorganic Species by the Batch Method, **12.01**
- C1735-11** Test Method for Measuring the Time Dependent Modulus of Sealants Using Stress Relaxation, **04.07**

- C1736-11** Practice for Non-Destructive Evaluation of Adhesion of Installed Weatherproofing Sealant Joints Using a Rolling Device, **04.07**
- C1737-10** Guide for Evaluating Temperature Effects to Aerosol Foam Sealant During and After Dispensing, **04.07**
- C1738/C1738M-14** Practice for High-Shear Mixing of Hydraulic Cement Pastes, **04.01**
- C1740-10** Practice for Evaluating the Condition of Concrete Plates Using the Impulse-Response Method, **04.02**
- C1741-12** Test Method for Bleed Stability of Cementitious Post-Tensioning Tendon Grout, **04.02**
- C1742-10** Test Method for Isotopic Analysis of Uranium Hexafluoride by Double Standard Single-Collector Gas Mass Spectrometer Method, **12.01**
- C1743-12** Practice for Installation and Use of Radiant Barrier Systems (RBS) in Residential Building Construction, **04.06**
- C1744-12** Practice for Installation and Use of Radiant Barrier Systems (RBS) in Commercial/Industrial Building Construction, **04.06**
- C1745/C1745M-11** Test Method for Measurement of Hydraulic Characteristics of Hydrodynamic Stormwater Separators and Underground Settling Devices, **04.05**
- C1746/C1746M-12** Test Method for Measurement of Suspended Sediment Removal Efficiency of Hydrodynamic Stormwater Separators and Underground Settling Devices, **04.05**
- C1747/C1747M-13** Test Method for Determining Potential Resistance to Degradation of Pervious Concrete by Impact and Abrasion, **04.02**
- C1749-12** Guide for Measurement of the Rheological Properties of Hydraulic Cementitious Paste Using a Rotational Rheometer, **04.01**
- C1750-11** Guide for Development, Verification, Validation, and Documentation of Simulated High-Level Tank Waste, **12.01**
- C1751-11** Guide for Sampling Radioactive Tank Waste, **12.01**
- C1752-11** Guide for Measuring Physical and Rheological Properties of Radioactive Solutions, Slurries, and Sludges, **12.01**
- C1754/C1754M-12** Test Method for Density and Void Content of Hardened Pervious Concrete, **04.02**
- C1756-14** Guide for Comparing Sealant Behavior to Reference Photographs, **04.07**
- C1757-13** Test Method for Determination of One-Point, Bulk Water Sorption of Dried Concrete, **04.02**
- C1758/C1758M-13** Practice for Fabricating Test Specimens with Self-Consolidating Concrete, **04.02**
- C1760-12** Test Method for Bulk Electrical Conductivity of Hardened Concrete, **04.02**
- C1761/C1761M-13b** Specification for Lightweight Aggregate for Internal Curing of Concrete, **04.02**
- C1763-14** Test Method for Water Absorption by Immersion of Thermal Insulation Materials, **04.06**
- C1764-12** Test Methods for Non Metallic Plaster Bases (Lath) Used with Portland Cement Based Plaster in Vertical Wall Applications, **04.01**
- C1765-13** Specification for Steel Fiber Reinforced Concrete Culvert, Storm Drain, and Sewer Pipe, **04.05**
- C1766-13** Specification for Factory-Laminated Gypsum Panel Products, **04.01**
- C1767-14** Specification for Stainless Steel Jacketing for Insulation, **04.06**
- C1768/C1768M-12** Practice for Accelerated Curing of Concrete Cylinders, **04.02**
- C1770-13** Test Method for Determination of Loose and Tapped Bulk Density of Plutonium Oxide, **12.01**
- C1771-13** Test Method for Determination of Boron, Silicon, and Technetium in Hydrolyzed Uranium Hexafluoride by Inductively Coupled Plasma—Mass Spectrometer After Removal of Uranium by Solid Phase Extraction, **12.01**
- C1773-13** Test Method for Monotonic Axial Tensile Behavior of Continuous Fiber-Reinforced Advanced Ceramic Tubular Test Specimens at Ambient Temperature, **15.01**
- C1774-13** Guide for Thermal Performance Testing of Cryogenic Insulation Systems, **04.06**
- C1775-13** Specification for Laminate Protective Jacket and Tape for Use over Thermal Insulation for Outdoor Applications, **04.06**
- C1777-13** Test Method for Rapid Determination of the Methylene Blue Value for Fine Aggregate or Mineral Filler Using a Colorimeter, **04.02**
- C1780-13** Practice for Installation Methods for Adhered Manufactured Stone Masonry Veneer, **04.05**
- C1781/C1781M-13** Test Method for Surface Infiltration Rate of Permeable Unit Pavement Systems, **04.05**
- C1784-13** Test Method for Using a Heat Flow Meter Apparatus for Measuring Thermal Storage Properties of Phase Change Materials and Products, **04.06**
- C1785-13** Test Method for Concentration of Pinhole Detections in Moisture Barriers on Metal Jacketing, **04.06**
- C1787-14** Specification for Installation of Non Metallic Plaster Bases (Lath) Used with Portland Cement Based Plaster in Vertical Wall Applications, **04.01**
- C1788-14** Specification for Non Metallic Plaster Bases (Lath) Used with Portland Cement Based Plaster in Vertical Wall Applications, **04.01**
- C1789-14** Test Method for Calibration of Hand-Held Moisture Meters on Gypsum Panels, **04.01**
- C1791-14** Guide for Reduction of Efflorescence Potential in New Unit Pavement Systems, **04.05**
- C1792-14** Test Method for Measurement of Mass Loss versus Time for One-Dimensional Drying of Saturated Concretes, **04.02**
- C1799/C1799M-14** Guide to Dimension Stone Test Specimen Sampling and Preparation, **04.07**

## D. MISCELLANEOUS MATERIALS

- D1 Withdrawn 1928; Specification for Raw Linseed Oil; Replaced by D234  
D2 Withdrawn 1972; Method of Test for Abrasion of Rock by Use of the Deval Machine  
D3 Withdrawn 1965; Method of Test for Toughness of Rock  
D4-86(2010) Test Method for Bitumen Content, 04.04  
D5/D5M-13 Test Method for Penetration of Bituminous Materials, 04.03  
D6/D6M-95(2011)<sup>1</sup> Test Method for Loss on Heating of Oil and Asphaltic Compounds, 04.04  
D7 Withdrawn 1965; Test Method for Sieve Analysis of Fine and Aggregates; Replaced by C136  
D8-13b Terminology Relating to Materials for Roads and Pavements, 04.03  
D9-12 Terminology Relating to Wood and Wood-Based Products, 04.10  
D10 Withdrawn 1928; Method of Test for Establishing Structural Grades of Timbers; Replaced by D245  
D11 Withdrawn 1928; Specification for Boiled Linseed Oil; Replaced by D260  
D12 Withdrawn 2007; Specification for Raw Tung Oil  
D13 Withdrawn 2008; Specification for Spirits of Turpentine  
D14 Withdrawn 1929; Specification for Jacketed Rubber-Lined Fire Hose for Public and Private Fire Department Use; Replaced by D296  
D15 Withdrawn 1976; Method of Compound and Sample Preparation for Physical Testing of Rubber Products; Replaced by D3182, D3190, D3192  
D16-12 Terminology for Paint, Related Coatings, Materials, and Applications, 06.01  
D17 Withdrawn 1942; Specification for Foundry Coke  
D18 Withdrawn 1939; Test Method for Sieve Analysis of Fine and Coarse Aggregates; Replaced by C136  
D19 Withdrawn 1939; Test Method for Sieve Analysis of Fine and Coarse Aggregate; Replaced by C136  
D20-03(2009) Test Method for Distillation of Road Tars, 04.03  
D21 Withdrawn 1948; Method of Sampling Coal for Analysis; Replaced by D492  
D22 Withdrawn 1928; Method of Laboratory Sampling and Analysis of Coal and Coke; Replaced by D3176, D3180  
D23 Withdrawn 1927; Methods for Establishing Structural Grades of Lumber; Replaced by D245  
D24 Withdrawn 1927; Methods for Establishing Structural Grades of Lumber; Replaced by D245  
D25-12 Specification for Round Timber Piles, 04.10  
D26 Withdrawn 1929; Specification for Woven Jacketed Rubber-Lined Fire Hose for Public and Private Fire Department Use; Replaced by D296  
D27 Withdrawn 1961; Specification for Natural Rubber AO Insulation for Wire and Cable, 60°C Operation  
D28 Withdrawn 1921; Specification for Paint Thinners Other Than Turpentine; Replaced by D86  
D29 Withdrawn 2005; Test Methods for Sampling and Testing Lac Resins  
D30 Withdrawn 1936; Test Method for Specific Gravity and Absorption of Coarse Aggregates; Replaced by C127  
D31 Withdrawn 1918; Methods of Testing Woven Textiles Fabrics  
D32 Withdrawn 1918; Methods of Testing Woven Textiles Fabrics  
D33 Withdrawn 1918; Methods of Testing Woven Textiles Fabrics  
D34-08 Guide for Chemical Analysis of White Pigments, 06.03  
D35 Withdrawn 1938; Specification for Certain Commercial Grades of Broken Stone  
D36/D36M-12 Test Method for Softening Point of Bitumen (Ring-and-Ball Apparatus), 04.04  
D37 Withdrawn 1927; Methods of Laboratory Sampling and Analysis of Coal and Coke; Replaced by D271  
D38 Withdrawn 2006; Test Methods for Sampling Wood Preservatives Prior to Testing  
D39 Withdrawn 1962; Method of Test for Construction Characteristics of Woven Fabrics; Replaced by D1422, D1423, D1425, D1777, D2261, D2262  
D40 Withdrawn 1938; Specification for Asphalt for Dampproofing and Waterproofing; Replaced by D449  
D41/D41M-11 Specification for Asphalt Primer Used in Roofing, Dampproofing, and Waterproofing, 04.04  
D42 Withdrawn 1938; Specification for Coal-Tar Pitch for Footing, Damp-proofing and Waterproofing Level; Replaced by D450  
D43/D43M-00(2012)<sup>1</sup> Specification for Coal Tar Primer Used in Roofing, Dampproofing, and Waterproofing, 04.04  
D44 Withdrawn 1936; Specification for Wooden, Nailed and Lock-Corner Construction, for the Shipment of Canned Foods  
D45 Withdrawn 1936; Specification for Canned Foods Boxes, Wirebound Construction  
D46 Withdrawn 1934; Methods of Testing Rubber Hose; Replaced by D380  
D47 Withdrawn 1928; Methods for Specific Gravity of Lubricants; Replaced by D88, D97, D189, D287  
D48 Withdrawn 1943; Methods of Testing Molded Materials Used for Electrical Insulation  
D49-83(2008)<sup>1</sup> Test Methods of Chemical Analysis of Red Lead, 06.03  
D50-90(2011) Test Methods for Chemical Analysis of Yellow, Orange, Red, and Brown Pigments Containing Iron and Manganese, 06.03  
D51 Withdrawn 1927; Specification for raw linseed oil; Replaced by D234  
D52 Withdrawn 1995; Specification for Wood Paving Blocks for Exposed Platforms, Pavements, Driveways, and Interior Floors Exposed to Wet and Dry Conditions  
D53 Withdrawn 1929; Specification for Rubber Belting for Power Transmission  
D54 Withdrawn 1934; Methods of Testing Rubber; Replaced by D380  
D55 Withdrawn 1937; Test Method for Specific Gravity and Absorption of Fine Aggregate; Replaced by C128  
D56-05(2010) Test Method for Flash Point by Tag Closed Cup Tester, 05.01  
D57 Withdrawn 1963; Specification for Materials for Cement Grout Filler for Brick and Stone Block Pavements  
D58 Withdrawn 1963; Specification for Materials for Sand-Cement and for Brick and Block Pavements  
D59 Withdrawn 1963; Specification for Granite Block for Pavements  
D60 Withdrawn 1934; Methods of Testing Rubber Hose; Replaced by D380  
D61-75(2010) Test Method for Softening Point of Pitches (Cube-in-Water Method), 05.01  
D62 Withdrawn 1923; Specification for Workability of Concrete for Concrete Pavements; Replaced by C143  
D63 Withdrawn 1938; Specification for Standard Sizes of Coarse Aggregate for Highway Construction; Replaced by D448  
D64 Withdrawn 1938; Specification for Crushed Stone, Crushed Slag and Gravel for Water-Bound Macadam Base and Surface Coarse of Pavements; Replaced by D448  
D65 Withdrawn 1938; Specification for Crushed Stone, Crushed Slag and Gravel for Water-Bound Macadam Base and Surface Coarse of Pavements; Replaced by D694  
D66 Withdrawn 1939; Specification for Water-Bound Base, Shorel-Run or Crusher Run; Replaced by D694  
D67 Withdrawn 1993; Specification for Pumice Pigment  
D68 Withdrawn 1936; Specification for Wooden Boxes, Nailed and Lock-Corner Construction  
D69-12 Test Methods for Friction Tapes, 10.01  
D70-09<sup>1</sup> Test Method for Density of Semi-Solid Bituminous Materials (Pycnometer Method), 04.03  
D71-94(2009) Test Method for Relative Density of Solid Pitch and Asphalt (Displacement Method), 05.01  
D72 Withdrawn 1938; Method of Test for Amount of Material Finer than 200 Sieve in Aggregate; Replaced by C117  
D73 Withdrawn 1930; Method of Test for Quantity of Clay in Sand-Clay, Topsoil and Semi-Gravel for Highway Construction  
D74 Withdrawn 1923; Method of Test for Amount of Material Finer than 200 Sieve in Aggregate; Replaced by C117  
D75/D75M-13 Practice for Sampling Aggregates, 04.03  
D76/D76M-11 Specification for Tensile Testing Machines for Textiles, 07.01  
D77 Withdrawn 1927; Specification for Raw linseed oil; Replaced by D234  
D78 Withdrawn 1928; Specification for Boiled Linseed oil; Replaced by D260  
D79-86(2009) Specification for Zinc Oxide Pigments, 06.03  
D80 Withdrawn 1982; Specification for Leaded Zinc Oxide  
D81-87(2008)<sup>1</sup> Specification for Basic Carbonate White Lead Pigment, 06.03  
D82 Withdrawn 1982; Specification for Basic Sulfate White Lead  
D83-84(2008)<sup>1</sup> Specification for Red Lead Pigment, 06.03  
D84 Withdrawn 1979; Specification for Red and Brown Iron Oxide Pigments; Replaced by D3721, D3722, D3724  
D85-05(2011) Specification for Ochre Pigment, 06.03  
D86-12 Test Method for Distillation of Petroleum Products at Atmospheric Pressure, 05.01  
D87-09 Test Method for Melting Point of Petroleum Wax (Cooling Curve), 05.01  
D88-07(2013) Test Method for Saybolt Viscosity, 04.04  
D89 Withdrawn 1923; Method of Test for Copper Corrosion by Copper Strip Test; Replaced by C130  
D90 Withdrawn 1958; Method of Test for Sulfur in Petroleum Produced by the Gravimetric Method; Replaced by C1266  
D91-02(2012) Test Method for Precipitation Number of Lubricating Oils, 05.01  
D92-12b Test Method for Flash and Fire Points by Cleveland Open Cup Tester, 05.01  
D93-13 Test Methods for Flash Point by Pensky-Martens Closed Cup Tester, 05.01  
D94-07(2012) Test Methods for Saponification Number of Petroleum Products, 05.01  
D95-13<sup>1</sup> Test Method for Water in Petroleum Products and Bituminous Materials by Distillation, 05.01  
D96 Withdrawn 2000; Test Method for Water and Sediment in Crude Oil by Centrifuge Method (Field Procedure)  
D97-12 Test Method for Pour Point of Petroleum Products, 05.01  
D98-05(2013) Specification for Calcium Chloride, 04.03  
D99 Withdrawn 1940; Specification for Asphalt Cement, 40 to 50 Penetration, for Use in Sheet Asphalt and Asphaltic-Concrete Pavements and As Filler for Brick and Block Pavements  
D100 Withdrawn 1940; Specification for Asphalt Cement, 50 to 60 Penetration, for Use in Sheet Asphalt and Asphaltic-Concrete Pavements and As Filler for Block Pavements  
D101 Withdrawn 1940; Specification for Asphalt Cement, 60 to 70 Penetration, for Use in Sheet Asphalt, Asphaltic-Concrete, and Asphalt-Macadam Pavements and As Filler for Block Pavements  
D102 Withdrawn 1940; Specification for Asphalt Cement, 85 to 100 Penetration, for Use in Asphalt-Macadam Pavements  
D103 Withdrawn 1940; Specification for Asphalt Cement, 100 to 120 Penetration, for Use in Asphalt-Macadam Pavements  
D104 Withdrawn 1939; Specification for High Carbon Tar for Surface Treatment, Cold Application; Replaced by D490  
D105 Withdrawn 1939; Specification for Low-Carbon Tar for Surface Treatment, Cold Application; Replaced by D490

D106 *Withdrawn 1939; Specification for High Carbon Tar Cement for Use Cold in Repair Work (Cut-Back Product); Replaced by D490*

D107 *Withdrawn 1939; Specification for Low Carbon Tar Cement, for Use Cold in Repair Work (Cut-Back Product); Replaced by D490*

D108 *Withdrawn 1939; Specification for High Carbon Tar for Surface Treatment, Hot Application; Replaced by D490*

D109 *Withdrawn 1939; Specification for Low Carbon Tar for Surface Treatment, Hot Application; Replaced by D490*

D110 *Withdrawn 1939; Specification for High Carbon Tar Cement; Replaced by D490*

D111 *Withdrawn 1939; Specification for Low Carbon Tar Cement; Replaced by D490*

D112 *Withdrawn 1963; Specification for Coal-Tar Pitch for Stone Block Filler*

D113-07 *Test Method for Ductility of Bituminous Materials, 04.03*

D114 *Withdrawn 1924; Method of Test for Water in Petroleum Products and Other Bituminous Materials; Replaced by D95*

D115-07(2012) *Test Methods for Testing Solvent Containing Varnishes Used for Electrical Insulation, 10.01*

D116-86(2011) *Test Methods for Vitrified Ceramic Materials for Electrical Applications, 15.02*

D117-10 *Guide for Sampling, Test Methods, and Specifications for Electrical Insulating Oils of Petroleum Origin, 10.03*

D118 *Withdrawn 1963; Specification for 4-One, and Similar Type Boxes*

D119 *Withdrawn 1986; Specification for Low-Voltage Rubber Insulating Tape*

D120-09 *Specification for Rubber Insulating Gloves, 10.03*

D121-09a *Terminology of Coal and Coke, 05.06*

D122 *Withdrawn 1993; Tolerances for Tire Fabrics Other Than Tire Cord Fabrics*

D123-13a<sup>1</sup> *Terminology Relating to Textiles, 07.01*

D124 *Withdrawn 2007; Specification for Degummed Soybean Oil*

D125 *Withdrawn 1955; Specification for Perilla Oil, Raw or Refined*

D126-87(2012) *Test Methods for Analysis of Yellow, Orange, and Green Pigments Containing Lead Chromate and Chromium Oxide Green, 06.03*

D127-08 *Test Method for Drop Melting Point of Petroleum Wax, Including Petrolatum, 05.01*

D128-98(2008) *Test Methods for Analysis of Lubricating Grease, 05.01*

D129-13 *Test Method for Sulfur in Petroleum Products (General High Pressure Decomposition Device Method), 05.01*

D130-12 *Test Method for Corrosiveness to Copper from Petroleum Products by Copper Strip Test, 05.01*

D131 *Withdrawn 1963; Specification for Recent Granite Block for Pavements*

D132 *Withdrawn 1963; Specification for Granite Block for Purax Pavements*

D133 *Withdrawn 1940; Specification for Asphalt Cement, 10 to 15 Penetration, for the Manufacture of Asphalt Block*

D134 *Withdrawn 1940; Specification for Asphalt Cement, 15 to 25 Penetration, for the Manufacture of Asphalt Block*

D135 *Withdrawn 1940; Specification for Asphalt Cement, 120 to 150 Penetration, for Use in Asphalt-Macadam Pavements*

D136 *Withdrawn 1938; Method of Test for Amount of Material Finer than 200 Sieve in Aggregates; Replaced by C117*

D137 *Withdrawn 1927; Method of Mechanical Analysis of Subgrade Soils*

D138 *Redesignated C143*

D139-12 *Test Method for Float Test for Bituminous Materials, 04.03*

D140/D140M-09 *Practice for Sampling Bituminous Materials, 04.03*

D141 *Withdrawn 1973; Method of Drop Shatter Test for Coke; Replaced by D3038*

D142 *Withdrawn 1941; Definition of Terms Relating to Coal and Coke; Replaced by D1212*

D143-14 *Test Methods for Small Clear Specimens of Timber, 04.10*

D144 *Withdrawn 1938; Specification for Asphalt for Dampproofing and Waterproofing; Replaced by D449*

D145 *Withdrawn 1938; Specification for Coal-Tar Pitch for Roofing, Damp-proofing and Waterproofing; Replaced by D449*

D146/D146M-04(2012)<sup>1</sup> *Test Methods for Sampling and Testing Bitumen-Saturated Felts and Woven Fabrics for Roofing and Waterproofing, 04.04*

D147 *Withdrawn 1985; Methods of Testing Bituminous Mastics*

D148 *Withdrawn 1924; Methods of Sampling Bituminous Materials Shipped in Barrels or Drums; Combined with D 449*

D149-09(2013) *Test Method for Dielectric Breakdown Voltage and Dielectric Strength of Solid Electrical Insulating Materials at Commercial Power Frequencies, 10.01*

D150-11 *Test Methods for AC Loss Characteristics and Permittivity (Dielectric Constant) of Solid Electrical Insulation, 10.01*

D151 *Withdrawn 1940; Specification for Rubber Pump Valves*

D152 *Withdrawn 1931; Methods of Testing Cotton Fibers*

D153-84(2008) *Test Methods for Specific Gravity of Pigments, 06.03*

D154-85(2009) *Guide for Testing Varnishes, 06.03*

D155 *Withdrawn 1960; Method of Test for Color of Lubricating Oil and Petrolatum by Means of ASTM Union Colorimeter; Replaced by D1500*

D156-12 *Test Method for Saybolt Color of Petroleum Products (Saybolt Chromometer Method), 05.01*

D157 *Withdrawn 1957; Method of Test for Steam Emulsion of Lubricating Oils; Replaced by D1401*

D158 *Withdrawn 1963; Method of Test for Distillation of Gas Oil and Similar Distillate Fuel Oils; Replaced by D86*

D159 *Withdrawn 1939; Specification for Crushed Stone and Crushed Slag for Bituminous Macadam Base and Surface Courses of Pavements; Replaced by D693*

D160 *Withdrawn 1939; Specification for Crushed Stone, Crushed Slag, and*

*Gravel for Bituminous Concrete Base and Surface Courses of Pavements; Replaced by D692*

D161 *Withdrawn 1939; Specification for Crushed Stone, Crushed Slag, and Gravel for Bituminous Concrete Base and Surface Courses of Pavements; Replaced by D692*

D162 *Withdrawn 1950; Specification for Fine Aggregate for Sheet Asphalt and Bituminous Concrete Pavements; Replaced by D1073*

D163 *Withdrawn 1940; Specification for Asphalt Cement, 25 to 30 Penetration, for Use in Sheet Asphalt and Asphaltic-Concrete Pavements*

D164 *Withdrawn 1940; Specification for Asphalt Cement, 30 to 40 Penetration, for Use in Sheet Asphalt and Asphaltic-Concrete Pavements*

D165 *Withdrawn 1967; Method of Test for Proportion of Bitumen Soluble in Carbon Tetrachloride; Replaced by D2042*

D166 *Withdrawn 1963; Specification for Gas and Coking Coals*

D167-12a *Test Method for Apparent and True Specific Gravity and Porosity of Lump Coke, 05.06*

D168 *Withdrawn 2006; Test Method for Coke Residue of Creosote*

D169 *Withdrawn 1963; Specification for Asphalt Mastic for Use in Waterproofing (Asphalt Cement, Mineral Filler, Mineral Aggregate); Replaced by D491*

D170 *Withdrawn 1977; Specification for Bituminous Grout for Use in Waterproofing Above Ground Level*

D171 *Withdrawn 1977; Specification for Bituminous Grout for Use in Waterproofing Below Ground Level*

D172 *Withdrawn 1926; Specification for Coal-Tar Saturated Roofing Melt for Use in Waterproofing and in Constructing Built Up Roofs; Replaced by D226, D227*

D173/D173M-03(2011)<sup>1</sup> *Specification for Bitumen-Saturated Cotton Fabrics Used in Roofing and Waterproofing, 04.04*

D174 *Withdrawn 1939; Specification for Burlap Saturated with Bituminous Substances for Use in Waterproofing*

D175 *Withdrawn 1929; Methods of Testing Electrical Insulating Materials for Voltage Effects at Radio Frequencies*

D176 *Withdrawn 2013; Test Methods for Solid Filling and Treating Compounds Used for Electrical Insulation*

D177 *Withdrawn 1934; Methods of Testing Rubber Hose; Replaced by D380*

D178-01(2010) *Specification for Rubber Insulating Matting, 10.03*

D179 *Withdrawn 1975; Methods of Testing Cotton Tire Cords and Cord Fabrics Made from Cotton*

D180 *Withdrawn 1968; Methods of Testing Tolerances for Cotton Yarns; Replaced by D2645*

D181 *Withdrawn 1976; Specification for Tolerances for Cotton Fabrics for Manufacture of Hose and Belts*

D182 *Withdrawn 1940; Specification for ASTM Thermometer; Replaced by E1*

D183 *Withdrawn 1940; Specification for ASTM Thermometer; Replaced by E1*

D184 *Withdrawn 1940; Specification for ASTM Thermometer; Replaced by E1*

D185-07(2012) *Test Methods for Coarse Particles in Pigments, 06.03*

D186 *Withdrawn 1940; Methods of Chemical Analysis of White Pigments; Combined with D 34*

D187-08(2013) *Test Method for Burning Quality of Kerosine, 05.01*

D188 *Withdrawn 1943; Methods of Test for Neutralization of Acid And Base Members by Potentiometric Titration; Replaced by D664, D974*

D189-06(2010)<sup>1</sup> *Test Method for Conradson Carbon Residue of Petroleum Products, 05.01*

D190 *Withdrawn 1939; Specification for Crushed Stone, Crushed Slag, and Gravel for Water-Bound Macadam Base and Surface Courses of Pavements; Replaced by D693*

D191 *Withdrawn 1939; Specification for Crushed Stone, Crushed Slag, and Gravel for Waterbound Macadam Base and Surface Courses of Pavements; Replaced by D693*

D192 *Withdrawn 1943; Specification for Crushed Stone and Crushed Slag for Bituminous Macadam Base and Surface Courses of Pavements; Replaced by D693*

D193 *Withdrawn 1939; Specification for Broken and Crushed Slag Stone for Bituminous Macadam Base and Surface Courses of Pavements; Replaced by D693*

D194 *Withdrawn 1939; Specification for Crushed Stone and Crushed Slag for Bituminous Macadam Base and Surface Courses of Pavements; Replaced by D693*

D195 *Withdrawn 1939; Specification for Crushed Stone and Crushed Slag for Bituminous Macadam Base and Surface Courses of Pavements; Replaced by D693*

D196 *Withdrawn 1939; Specification for Crushed Stone, Crushed Slag, and Gravel for Bituminous Concrete Base and Surface Courses of Pavements; Replaced by D692*

D197-87(2012) *Test Method for Sampling and Fineness Test of Pulverized Coal, 05.06*

D198-14 *Test Methods of Static Tests of Lumber in Structural Sizes, 04.10*

D199 *Withdrawn 1962; Methods for Chemical Analysis of Zinc Chloride*

D200 *Withdrawn 1938; Specification for Coal-Tar Pitch for Roofing Damp-proofing and Waterproofing; Replaced by D450*

D201 *Withdrawn 1938; Specification for Coal-Tar Pitch for Roofing Damp-proofing and Waterproofing; Replaced by D450*

D202-08 *Test Methods for Sampling and Testing Untreated Paper Used for Electrical Insulation, 10.01*

D203 *Withdrawn 1937; Methods of Testing Tolerances for Cotton Yarns*

D204-02(2010)<sup>1</sup> *Test Methods for Sewing Threads, 07.01*

D205 *Withdrawn 1955; Specification for Osaburg Cement Sacks*

D206 *Withdrawn 1953; Abridged Volume Correction Table for Petroleum Oils; Replaced by D1250*

D207 *Withdrawn 2000; Specification for Dry Bleached Lac*  
D208 *Withdrawn 1940; Specification for Zinc Sulfide Pigments*  
**D209-81(2012)** Specification for Lampblack Pigment, **06.03**  
**D210-05(2011)** Specification for Bone Black Pigment, **06.03**  
**D211-67(2012)** Specification for Chrome Yellow and Chrome Orange Pigments, **06.03**  
D212 *Withdrawn 1994; Specification for Chrome Green Pigment*  
D213 *Withdrawn 1940; Specification for Reduced Chrome Green*  
D214 *Withdrawn 1929; Methods of Testing Shellac; Replaced by D29*  
D215 *Withdrawn 2005; Practice for the Chemical Analysis of White Linseed Oil Paints*  
D216 *Withdrawn 1988; Method for Distillation of Natural Gasoline; Replaced by D86*  
**D217-10** Test Methods for Cone Penetration of Lubricating Grease, **05.01**  
D218 *Withdrawn 1940; Methods of Test for Color of Lubricating Oil and Petroleum by Means of ASTM Union Colorimeter*  
D219 *Withdrawn 1979; Method of Test for Burning Quality of Long-Time Burning Oil for Railway Use*  
D220 *Withdrawn 1940; Method of Test for Moisture Equivalent of Soils*  
D221 *Redesignated C121*  
D222 *Redesignated C120*  
D223 *Withdrawn 1940; Specification for Asphalt Mastic for Use in Waterproofing (Asphalt Cement, Mineral Filler, Mineral Aggregate)*  
D224 *Withdrawn 2002; Specification for Smooth-Surfaced Asphalt Roll Roofing (Organic Felt); Replaced by D6380*  
**D225** *Withdrawn 2012; Specification for Asphalt Shingles (Organic Felt) Surfaced With Mineral Granules, 04.04*  
**D226/D226M-09** Specification for Asphalt-Saturated Organic Felt Used in Roofing and Waterproofing, **04.04**  
**D227/D227M-03(2011)<sup>1</sup>** Specification for Coal-Tar-Saturated Organic Felt Used in Roofing and Waterproofing, **04.04**  
**D228/D228M-09<sup>2</sup>** Test Methods for Sampling, Testing, and Analysis of Asphalt Roll Roofing, Cap Sheets, and Shingles Used in Roofing and Waterproofing, **04.04**  
**D229-13** Test Methods for Rigid Sheet and Plate Materials Used for Electrical Insulation, **10.01**  
D230 *Withdrawn 1976; Specification for Numbered Cotton Duck and Army Duck*  
D231 *Withdrawn 1981; Methods of Testing Tolerances for Knit Goods; Replaced by D3887*  
D232 *Withdrawn 1943; Method of Test for Estimating Hard Scoured Wool in Wool in the Grease (Mill Scale Operations)*  
**D233-12** Test Methods of Sampling and Testing Turpentine, **06.03**  
D234 *Withdrawn 2007; Specification for Raw Linseed Oil*  
**D235-02(2012)** Specification for Mineral Spirits (Petroleum Spirits) (Hydrocarbon Dry Cleaning Solvent), **06.04**  
D236 *Withdrawn 1934; Specification for Spirits of Distilled Wood Turpentine; Replaced by D13*  
D237 *Withdrawn 2006; Specification for Orange Shellac and Other Lacs*  
D238 *Withdrawn 1928; Method of Test for Specific Gravity of Pigments; Combined with D 153*  
D239 *Withdrawn 1963; Method of Test for Burning Quality of Mineral Seal Oil*  
**D240-09** Test Method for Heat of Combustion of Liquid Hydrocarbon Fuels by Bomb Calorimeter, **05.01**  
D241 *Withdrawn 1977; Specification for Asphalt Filler for Brick Pavements*  
**D242/D242M-09** Specification for Mineral Filler For Bituminous Paving Mixtures, **04.03**  
**D243-08** Test Method for Residue of Specified Penetration, **04.03**  
**D244-09** Test Methods and Practices for Emulsified Asphalts, **04.03**  
**D245-06(2011)** Practice for Establishing Structural Grades and Related Allowable Properties for Visually Graded Lumber, **04.10**  
D246 *Withdrawn 2006; Test Method for Distillation of Creosote and Creosote-Coal Tar Solutions*  
D247 *Redesignated C119*  
D248 *Withdrawn 1943; Specification for Asphalt Roofing Surfaced with Fine Mineral Granules*  
D249 *Withdrawn 2002; Specification for Asphalt Roll Roofing (Organic Felt) Surfaced with Mineral Granules; Replaced by D6380*  
D250 *Withdrawn 1991; Specification for Asphalt-Saturated Asbestos Felt Used in Roofing and Waterproofing*  
D251 *Withdrawn 1938; Specification for Coal-Tar Pitch for Roofing, Dampproofing, and Waterproofing; Replaced by D450*  
D252 *Withdrawn 1938; Specification for Coal-Tar Pitch for Roofing, Dampproofing, and Waterproofing; Replaced by D450*  
D253 *Withdrawn 1928; Specification for Light-Body Coal-Tar or Water-Gas-Tar Protective Coating with Solvent Vehicle, for Cold Application, for Damp-proofing Masonry Structures*  
D254 *Withdrawn 1928; Specification for Heavy-Body Coal-Tar or Water-Gas-Tar Protective Coating with Solvent Vehicle, for Cold Application, for Dampproofing Masonry Structures*  
D255 *Withdrawn 2000; Method for Steam Distillation of Bituminous Protective Coatings*  
**D256-10** Test Methods for Determining the Izod Pendulum Impact Resistance of Plastics, **08.01**  
**D257-07** Test Methods for DC Resistance or Conductance of Insulating Materials, **10.01**  
D258 *Withdrawn 1956; Methods of Testing Spun and Filament Yarns Made Wholly or in Part of Man-Made Organic Base Fiber*  
D259 *Withdrawn 1989; Specification for Woven Tapes*  
D260 *Withdrawn 2007; Specification for Linseed Oil*

D261 *Withdrawn 2006; Specification for Iron Blue Pigment*  
D262 *Withdrawn 2006; Specification for Ultramarine Blue Pigment*  
**D263-05(2011)** Specification for Chrome Oxide Green Pigment, **06.03**  
D264 *Withdrawn 1949; Specification for Pure Para Red Toner; Replaced by D475*  
D265 *Withdrawn 1935; Specification for Titanium Barium Pigment; Replaced by D476*  
D266 *Withdrawn 1949; Specification for Aluminum Pigments Powder and Paste for Paints; Replaced by D962*  
**D267-82(2008)<sup>1</sup>** Specification for Gold Bronze Powder, **06.03**  
**D268-01(2012)** Guide for Sampling and Testing Volatile Solvents and Chemical Intermediates for Use in Paint and Related Coatings and Material, **06.04**  
**D269-97(2011)** Test Method for Insoluble Matter in Rosin and Rosin Derivatives, **06.03**  
D270 *Withdrawn 1984; Methods of Sampling Petroleum and Petroleum Products; Replaced by D4057, D4177*  
D271 *Withdrawn 1974; Methods of Laboratory Sampling and Analysis of Coal and Coke; Replaced by D3176, D3180*  
D272 *Withdrawn 1941; Methods of Analysis of Roofing Felt for Fiber Composition*  
D273 *Withdrawn 1973; Methods of Test for Conducting Paths in Electrical Slate*  
D274 *Withdrawn 1967; Tolerances for Certain Light and Medium Weight Cotton Fabrics*  
D275 *Withdrawn 1942; Methods of Test for Cuban (Jute) Raw Sugar Bags*  
**D276-12** Test Methods for Identification of Fibers in Textiles, **07.01**  
D277 *Withdrawn 1948; Specification for Mercuric Oxide for Use in Anti-Fouling Paints (Dry Cuprous Oxide, Dry Mercuric Oxide); Replaced by D911, D912*  
D278 *Withdrawn 1953; Method of Test for Common Properties of Certain Pigments; Replaced by D1208*  
**D279-02(2012)** Test Methods for Bleeding of Pigments, **06.03**  
**D280-01(2012)** Test Methods for Hygroscopic Moisture (and Other Matter Volatile Under the Test Conditions) in Pigments, **06.03**  
**D281-12** Test Method for Oil Absorption of Pigments by Spatula Rub-out, **06.01**  
D282 *Withdrawn 1930; Methods of Test for Mass Color and Tinting Strength of Pigments*  
D283 *Withdrawn 2008; Test Methods for Chemical Analysis of Cuprous Oxide and Copper Pigments*  
D284 *Withdrawn 2003; Test Methods for Chemical Analysis of Mercuric Oxide Pigment*  
D285 *Withdrawn 1986; Method of Test for Distillation of Crude Petroleum*  
D286 *Withdrawn 1967; Method of Test for Autogenous Ignition Temperatures of Petroleum Products*  
**D287-12b** Test Method for API Gravity of Crude Petroleum and Petroleum Products (Hydrometer Method), **05.01**  
D288 *Withdrawn 1981; Definition of Terms Relating to Petroleum*  
D289 *Withdrawn 1972; Method of Test for Abrasion of Graded Coarse Aggregates by Use of the Deval Machine; Replaced by C131, C535*  
D290 *Withdrawn 2000; Practice for Bituminous Mixing Plant Inspection*  
**D291-07(2012)** Test Method for Cubic Foot Weight of Crushed Bituminous Coal, **05.06**  
D292 *Withdrawn 1986; Method of Test for Cubic Foot Weight of Coke*  
**D293-93(2010)** Test Method for the Sieve Analysis of Coke, **05.06**  
D294 *Withdrawn 1976; Method of Test for Tumbler Test for Coke; Replaced by D3402*  
**D295-12** Test Methods for Varnished Cotton Fabrics Used for Electrical Insulation, **10.01**  
D296 *Withdrawn 1984; Specification for Rubber-Lined Fire Hose with Woven Jacket*  
**D297-13** Test Methods for Rubber Products—Chemical Analysis, **09.01**  
D298 *Withdrawn 1938; Specification for 23/5/3 Carded American Tire Cord*  
**D299/D299M-04(2009)<sup>1</sup>** Specification for Asbestos Yarns, **04.05**  
D300 *Withdrawn 1940; Specification for ASTM Thermometers; Replaced by E1*  
D301 *Withdrawn 2011; Test Methods for Soluble Cellulose Nitrate*  
D302 *Withdrawn 1987; Specification for Ethyl Acetate (85 to 88% Grade); Replaced by D4614*  
D303 *Withdrawn 1987; Specification for n-Butyl Acetate (90 to 92% Grade); Replaced by D4615*  
**D304-11** Specification for n-Butyl Alcohol (Butanol), **06.04**  
**D305-84(2008)** Test Method for Solvent-Extractable Material in Black Pigments, **06.03**  
D306 *Withdrawn 1939; Method of Sampling and Testing Aluminum Powder and Paste; Replaced by D480*  
D307 *Withdrawn 1968; Method of Test for Spectral Characteristics and Color of Objects and Materials; Replaced by E308*  
D308 *Withdrawn 1940; Method of Test for Oil Content of Petroleum Waxes; Replaced by D721*  
D309 *Withdrawn 1943; Specification for Crushed Stone, Crushed Slag, and Gravel for Bituminous Concrete Base and Surface Courses of Pavements; Replaced by D692*  
D310 *Withdrawn 1988; Test Method for Size of Anthracite; Replaced by D4749*  
D311 *Withdrawn 1988; Method for Sieve Analysis of Crushed Bituminous Coal; Replaced by D4749*  
**D312-00(2006)** Specification for Asphalt Used in Roofing, **04.04**  
D313 *Withdrawn 1982; Method of Test for Coarse Particles in Mixtures of Asphalt and Mineral Matter*

D314 *Withdrawn 1970; Method of Test for Hardness of Rubber; Replaced by D1415*

**D315/D315M-95(2009)**<sup>1</sup> Specification for Woven Asbestos Tape, **04.05**

D316 *Withdrawn 1938; Methods of Test for Chafer Tire Fabrics Other Than Cord Fabrics*

D317 *Withdrawn 1956; Specification for Oil Putty for Glazing*

D318 *Withdrawn 1976; Specification for Amyl Acetate (Synthetic) (85 to 88% grade)*

D319 *Withdrawn 2010; Specification for Amyl Alcohol (Synthetic)*

D320 *Withdrawn 1953; Specification for Butyl Propionate (90 to 93% grade)*

D321 *Withdrawn 1953; Specification for Ethyl Lactate (Synthetic)*

**D322-97(2012)** Test Method for Gasoline Diluent in Used Gasoline Engine Oils by Distillation, **05.01**

**D323-08** Test Method for Vapor Pressure of Petroleum Products (Reid Method), **05.01**

D324 *Withdrawn 1964; Definitions of Terms Relating to Timber Preservatives*

D325 *Withdrawn 1945; Method of Test for Comparing Thermal Conductivities of Solid Electrical Insulating Materials*

D326 *Withdrawn 1935; Method of Compression Testing of Natural Building Stone*

D327 *Redesignated C99*

D328 *Redesignated C97*

**D329-07(2013)** Specification for Acetone, **06.04**

**D330-07(2013)** Specification for 2-Butoxyethanol, **06.04**

**D331-11** Specification for 2-Ethoxyethanol, **06.04**

**D332-87(2011)** Test Method for Relative Tinting Strength of White Pigments by Visual Observation, **06.01**

**D333-01(2013)** Guide for Clear and Pigmented Lacquers, **06.02**

D334 *Withdrawn 1967; Methods of Test for Cotton Goods for Rubber and Pyroxylin Coating*

D335 *Withdrawn 1989; Specification for Cotton Tapes Woven for Electrical Purposes*

D336 *Withdrawn 1938; Methods of Test for Tire Fabrics Other Than Cord Fabrics*

D337 *Redesignated E337*

D338 *Withdrawn 1935; Method of Test for Modulus of Elasticity of Natural Building Stone*

D339 *Withdrawn 1935; Method of Shear Testing of Natural Building Stone*

D340 *Withdrawn 1935; Definitions of Terms Relating to Natural Building Stone*

**D341-09** Practice for Viscosity-Temperature Charts for Liquid Petroleum Products, **05.01**

D342 *Withdrawn 1936; Specification for Acetate Ester of Ethylene Glycol Monoethyl Ether (90 to 91% Grade)*

D343 *Withdrawn 1982; Specification for 2-Ethoxyethyl Acetate (95% Grade)*

**D344-11** Test Method for Relative Hiding Power of Paints by the Visual Evaluation of Brushouts, **06.01**

**D345-02(2010)** Test Method for Sampling and Testing Calcium Chloride for Roads and Structural Applications, **04.03**

**D346/D346M-11** Practice for Collection and Preparation of Coke Samples for Laboratory Analysis, **05.06**

D347 *Withdrawn 2006; Tables for Volume and Specific Gravity Correction for Creosote, Creosote-Coal Tar Solutions, and Coal Tar*

**D348-13** Test Methods for Rigid Tubes Used for Electrical Insulation, **10.01**

**D349-13** Test Methods for Laminated Round Rods Used for Electrical Insulation, **10.01**

**D350-13** Test Methods for Flexible Treated Sleeving Used for Electrical Insulation, **10.01**

**D351-14** Classification for Natural Muscovite Block Mica and Thins Based on Visual Quality, **10.01**

**D352-97(2008)**<sup>1</sup> Test Methods for Pasted Mica Used in Electrical Insulation, **10.01**

D353 *Withdrawn 1995; Specification for Natural Rubber Insulation for Wire and Cable, 60°C Operation*

D354 *Withdrawn 1967; Methods of Testing Tolerances for Tubular Sleeving and Braids*

D355 *Withdrawn 1936; Method of Sampling Natural Building Stone and Sample for Testing*

D356 *Withdrawn 1935; Method of Tension Testing of Natural Building Stone and Sample for Testing*

D357 *Withdrawn 1970; Method of Test for Knock Characteristics of Motor Fuels Below 100 Octane Number by the Motor Method; Replaced by D2700*

**D358-98(2012)**<sup>1</sup> Specification for Wood to Be Used as Panels in Weathering Tests of Coatings, **06.02**

D359 *Withdrawn 1940; Specification for Shellac Varnish; Replaced by D360*

**D360-12** Specification for Shellac Varnishes, **06.03**

D361 *Withdrawn 1968; Specification for Industrial 90 Benzene*

D362 *Withdrawn 1991; Specification for Industrial Grade Toluene*

D363 *Withdrawn 2005; Specification for Tricresyl Phosphate*

D364 *Withdrawn 1982; Specification for Industrial Grade Xylene*

**D365-01(2011)** Guide for Soluble Nitrocellulose Base Solutions, **06.02**

D366 *Withdrawn 1938; Specification for Concrete for Pavements*

D367 *Withdrawn 2006; Test Method for Xylene-Insoluble Matter in Creosote*

D368 *Withdrawn 2006; Test Method for Specific Gravity of Creosote and Oil-Type Preservatives*

D369 *Withdrawn 2006; Test Method for Specific Gravity of Creosote Fractions and Residues*

D370 *Withdrawn 2006; Practice for Dehydration of Oil-Type Preservatives*

D371 *Withdrawn 2002; Specification for Asphalt Roll Roofing (Organic Felt) Surfaced with Mineral Granules; Wide Selvage; Replaced by D6380*

D372 *Withdrawn 2012; Specification for Flexible Treated Sleeving Used for Electrical Insulation*

D373 *Withdrawn 1994; Specification for Black and Yellow Straight-Cut and Bias-Cut Varnished Cotton Cloth and Tape for Electrical Insulation*

D374 *Withdrawn 2013; Test Methods for Thickness of Solid Electrical Insulation*

**D374M-13** Test Methods for Thickness of Solid Electrical Insulation (Metric), **10.01**

**D375/D375M-95(2009)**<sup>1</sup> Specification for Asbestos Roving, **04.05**

D376 *Withdrawn 1976; Methods of Test for Holland Cloth*

D377 *Withdrawn 1976; Methods of Test for Small Amounts of Copper and Manganese in Textiles*

**D378-10** Test Methods for Rubber (Elastomeric) Conveyor Belting, Flat Type, **09.02**

D379 *Withdrawn 1938; Methods of Test for Rubber Hose; Replaced by D380*

**D380-94(2012)** Test Methods for Rubber Hose, **09.02**

**D381-12** Test Method for Gum Content in Fuels by Jet Evaporation, **05.01**

D382 *Withdrawn 1940; Specification for Titanium Barium Pigment; Replaced by D476*

D383 *Withdrawn 1940; Specification for Titanium Calcium Pigment; Replaced by D476*

D384 *Withdrawn 1939; Specification for Titanium Dioxide; Replaced by D476*

D385 *Withdrawn 1940; Specification for Zinc Sulfate Pigment; Replaced by D477*

D386 *Withdrawn 1940; Specification for Zinc Oxide; Replaced by D477*

**D387-00(2008)** Test Method for Color and Strength of Chromatic Pigments with a Mechanical Muller, **06.01**

**D388-12** Classification of Coals by Rank, **05.06**

D389 *Withdrawn 1963; Specification for Classification of Coals by Grade*

D390 *Withdrawn 2006; Specification for Coal-Tar Creosote for the Preservative Treatment of Piles, Poles, and Timbers of Marine, Land, and Fresh Water Use*

D391 *Withdrawn 2006; Specification for Creosote-Coal Tar Solution*

D392 *Withdrawn 1963; Methods of Testing Molding Powders Used in Manufacturing Molded Electrical Insulators*

D393 *Withdrawn 1938; Specification for Insulated Wire and Cable: Class A, 30% Heavy Rubber Compound*

D394 *Withdrawn 1970; Method of Test for Abrasion Resistance of Rubber Compounds*

**D395-03(2008)** Test Methods for Rubber Property Compression Set, **09.01**

**D396-13b** Specification for Fuel Oils, **05.01**

D397 *Withdrawn 1951; Specification for Emulsified Asphalt; Replaced by D977*

D398 *Withdrawn 1950; Specification for Emulsified Asphalt; Replaced by D977*

D399 *Withdrawn 1950; Specification for Emulsified Asphalt; Replaced by D977*

D400 *Withdrawn 1937; Specification for Emulsified Asphalt (Heavy Premix-Winter Grade)*

D401 *Withdrawn 1949; Specification for Emulsified Asphalt; Replaced by D977*

**D402-08** Test Method for Distillation of Cutback Asphaltic (Bituminous) Products, **04.03**

D403 *Withdrawn 1953; Methods of Testing and Tolerances for Yarns Containing Wool; Replaced by D1285*

D404 *Withdrawn 1953; Methods of Testing and Tolerances for Yarns Containing Wool; Replaced by D1285*

D405 *Withdrawn 1982; Specification for Blue Lead; Basic Sulfate*

D406 *Withdrawn 1961; Method of Test for Relative Dry Hiding Power of White Pigments in Linseed Oil Vehicle*

D407 *Withdrawn 1977; Definitions of Terms Relating to Gross Calorific Value and Net Calorific Value of Solid and Liquid Fuels; Replaced by D121*

D408 *Withdrawn 1951; Method of Test for Grindability of Coal by the Ball-Mill Method*

**D409/D409M-12** Test Method for Grindability of Coal by the Hardgrove-Machine Method, **05.06**

D410 *Withdrawn 1988; Method for Sieve Analysis of Coal*

D411 *Withdrawn 2013; Test Methods for Shellac Used for Electrical Insulation*

**D412-06a(2013)** Test Methods for Vulcanized Rubber and Thermoplastic Elastomers—Tension, **09.01**

**D413-98(2013)** Test Methods for Rubber Property—Adhesion to Flexible Substrate, **09.01**

D414 *Withdrawn 1955; Methods of Testing Cotton Fibers; Replaced by D1440, D1441, D1285, D1442, D1445, D1447, D1448*

D415 *Withdrawn 1949; Methods of Testing Woven Textiles Fabrics*

D416 *Withdrawn 1962; Methods of Test for Dimensional Changes in Laundering of Fabrics Woven or Partially of Man-Made Organic Base Fibers*

D417 *Withdrawn 1937; Method of Test for Vapor Pressure of Petroleum Products; Replaced by D323*

D418 *Withdrawn 1998; Test Methods for Testing Pile Yarn Floor Covering Construction*

D419 *Withdrawn 1981; Specification for Test for Fineness of Wool; Replaced by D3991*

D420 *Withdrawn 2011; Guide to Site Characterization for Engineering Design and Construction Purposes*

**D421-85(2007)** Practice for Dry Preparation of Soil Samples for Particle-Size Analysis and Determination of Soil Constants, **04.08**

**D422-63(2007)**<sup>1</sup> Test Method for Particle-Size Analysis of Soils, **04.08**

D423 *Withdrawn 1983; Method of Test for Liquid Limit of Soils; Replaced by D4318*

D424 *Withdrawn 1983; Method of Test for Plastic Limit and Plasticity Index of Soils; Replaced by D4318*

**D425-88(2008)** Test Method for Centrifuge Moisture Equivalent of Soils, **04.08**

- D426 *Withdrawn 1959; Method of Test for Field Moisture Equivalent of Soils*  
 D427 *Withdrawn 2008; Test Method for Shrinkage Factors of Soils by the Mercury Method*  
 D428 *Withdrawn 1940; Methods of Test for Accelerated Aging of Vulcanized Rubber by the Oven Method; Replaced by D572, D573*  
 D429-14 Test Methods for Rubber Property—Adhesion to Rigid Substrates, **09.01**  
 D430-06(2012) Test Methods for Rubber Deterioration—Dynamic Fatigue, **09.01**  
 D431 *Withdrawn 1988; Method for Designating the Size of Coal from Its Sieve Analysis; Replaced by D4749*  
 D432 *Withdrawn 1961; Specification for Zinc Chloride*  
 D433 *Withdrawn 1966; Methods of Testing and Tolerances for Certain Carded Gray Goods*  
 D434 *Withdrawn 2003; Test Method for Resistance to Slippage of Yarns in Woven Fabrics Using a Standard Seam*  
 D435 *Withdrawn 1958; Method of Test for Color Fastness to Commercial Laundering and to Domestic Washing of Cotton and Textiles*  
 D436 *Withdrawn 1958; Method of Test for Color Fastness of Dyed or Printed Wool, Silk, Rayon, or Acetate Fabric to Laundering or Domestic Washing*  
 D437 *Withdrawn 1962; Method of Test for Shrinkage in Laundering of Woven Cotton Cloth*  
 D438 *Withdrawn 1938; Method of Test for Saponification Number of Petroleum Products by Color-Indicator Titration; Replaced by D94*  
 D439 *Withdrawn 1991; Specification for Automotive Gasoline*  
 D440-07(2012) Test Method of Drop Shatter Test for Coal, **05.06**  
 D441-07(2012) Test Method of Tumbler Test for Coal, **05.06**  
 D442 *Withdrawn 1939; Specification for Titanium-Magnesium Pigment; Replaced by D476*  
 D443 *Withdrawn 1939; Specification for Zinc Sulfate Pigment*  
 D444-88(2008) Test Methods for Chemical Analysis of Zinc Yellow Pigment (Zinc Chromate Yellow), **06.03**  
 D445-12 Test Method for Kinematic Viscosity of Transparent and Opaque Liquids (and Calculation of Dynamic Viscosity), **05.01**  
 D446-12 Specifications and Operating Instructions for Glass Capillary Kinematic Viscometers, **05.01**  
 D447 *Withdrawn 1998; Test Method for Distillation of Plant Spray Oils*  
 D448-12 Classification for Sizes of Aggregate for Road and Bridge Construction, **04.03**  
 D449/D449M-03(2014)<sup>1</sup> Specification for Asphalt Used in Dampproofing and Waterproofing, **04.04**  
 D450/D450M-07(2013)<sup>1</sup> Specification for Coal-Tar Pitch Used in Roofing, Dampproofing, and Waterproofing, **04.04**  
 D451/D451M-91(2013)<sup>1</sup> Test Method for Sieve Analysis of Granular Mineral Surfacing For Asphalt Roofing Products, **04.04**  
 D452/D452M-91(2013)<sup>1</sup> Test Method for Sieve Analysis of Surfacing for Asphalt Roofing Products, **04.04**  
 D453 *Withdrawn 2006; Test Method for Tar Acids in Creosote-Coal Tar Solutions*  
 D454-04(2010) Test Method for Rubber Deterioration by Heat and Air Pressure, **09.01**  
 D455 *Withdrawn 2000; Specification for Milled Toilet Soap*  
 D456 *Withdrawn 2001; Specification for Caustic Soda (Anhydrous)*  
 D457 *Withdrawn 2001; Specification for Modified Soda (Sesquicarbonate Type)*  
 D458 *Withdrawn 2001; Specification for Soda Ash*  
 D459-09 Terminology Relating to Soaps and Other Detergents, **15.04**  
 D460-91(2014) Test Methods for Sampling and Chemical Analysis of Soaps and Soap Products, **15.04**  
 D461 *Withdrawn 2003; Test Methods for Felt*  
 D462 *Withdrawn 1977; Methods of Testing and Tolerances for Certain Wool and Part Wool Fabrics*  
 D463 *Withdrawn 1947; Method of Test for Volumetric Determination of Small Amounts of Copper in Textiles*  
 D464-05(2010) Test Methods for Saponification Number of Naval Store Products Including Tall Oil and Other Related Products, **06.03**  
 D465-05(2010) Test Methods for Acid Number of Naval Stores Products Including Tall Oil and Other Related Products, **06.03**  
 D466 *Withdrawn 1999; Test Methods for Films Deposited From Bituminous Emulsions*  
 D467 *Withdrawn 1951; Specification for Laminated Thermosetting Materials; Replaced by D709*  
 D468 *Withdrawn 1962; Methods of Testing Pin-Type, Lime-Glass Insulators; Combined with D 116*  
 D469 *Withdrawn 1995; Specification for Natural Rubber Heat-Resisting Insulation for Wire And Cable, 75°C Operation*  
 D470-13 Test Methods for Crosslinked Insulations and Jackets for Wire and Cable, **10.01**  
 D471-12a Test Method for Rubber Property—Effect of Liquids, **09.01**  
 D472 *Withdrawn 1981; Specification for Fineness of Wool Top and Assignment of Grade; Replaced by D3992*  
 D473-07(2012) Test Method for Sediment in Crude Oils and Fuel Oils by the Extraction Method, **05.01**  
 D474 *Withdrawn 1948; Specification for Aluminum Powder and Paste for Paints; Replaced by D962*  
 D475 *Withdrawn 2003; Specification for Pure Para Red Toner Pigment*  
 D476-13 Classification for Dry Pigmentary Titanium Dioxide Products, **06.03**  
 D477 *Withdrawn 1987; Specification for Zinc Sulfide Pigments*  
 D478-02(2012) Specification for Zinc Yellow (Zinc Chromate) Pigments, **06.03**  
 D479 *Withdrawn 1984; Method of Test for Reactivity of Paint Liquids*

- D480-88(2008) Test Methods for Sampling and Testing of Flaked Aluminum Powders and Pastes, **06.03**  
 D481 *Withdrawn 1949; Method of Test for Acid Heat of Gasoline*  
 D482-13 Test Method for Ash from Petroleum Products, **05.01**  
 D483-04(2009)<sup>1</sup> Test Method for Unsulfonated Residue of Petroleum Plant Spray Oils, **05.01**  
 D484 *Withdrawn 1983; Specification for Hydrocarbon Dry Cleaning Solvents; Replaced by D235*  
 D485 *Withdrawn 1942; Specification for Crushed Stone, Crushed Slag, and Gravel for Bituminous Concrete Base and Surface Courses of Pavements; Replaced by D692*  
 D486 *Withdrawn 1942; Specification for Crushed Stone, Crushed Slag and Gravel for Bituminous Concrete Base and Surface Courses of Pavements; Replaced by D692*  
 D487 *Withdrawn 1942; Specification for Crushed Stone and Crushed Slag and Gravel for Bituminous Macadam Base and Surface Courses of Pavements; Replaced by D693*  
 D488 *Withdrawn 1942; Specification for Crushed Stone, Crushed Slag and Gravel for Waterbound Base and Surface Courses of Pavements*  
 D489 *Withdrawn 1942; Specification for Crushed Stone, Crushed Slag and Gravel for Waterbound Base and Surface Courses*  
 D490-92(2011) Specification for Road Tar, **04.03**  
 D491 *Withdrawn 1990; Specification for Asphalt Mastic Used in Waterproofing*  
 D492 *Withdrawn 1971; Method of Sampling Coals Classified According to Ash Content*  
 D493 *Withdrawn 1969; Definitions of Terms Relating to Commercial Varieties of Bituminous and Subbituminous Coals; Replaced by D2796*  
 D494-11 Test Method for Acetone Extraction of Phenolic Molded or Laminated Products, **08.01**  
 D495 *Withdrawn 2013; Test Method for High-Voltage, Low-Current, Dry Arc Resistance of Solid Electrical Insulation*  
 D496 *Withdrawn 2000; Specification for Chip Soap*  
 D497 *Withdrawn 2000; Specification for Ordinary Laundry Bar Soap*  
 D498 *Withdrawn 2000; Specification for Powdered Soap (Nonalkaline Soap Powder)*  
 D499 *Withdrawn 2000; Specification for White Floating Toilet Soap*  
 D500-95(2009) Test Methods of Chemical Analysis of Sulfonated and Sulfated Oils, **15.04**  
 D501-03(2009) Test Methods of Sampling and Chemical Analysis of Alkaline Detergents, **15.04**  
 D502-89(2009) Test Method for Particle Size of Soaps and Other Detergents, **15.04**  
 D503 *Withdrawn 1950; Specification for Bleached Wide Cotton Sheeting*  
 D504 *Withdrawn 1951; Specification for Single-Ply Bleached Cotton Broadcloth*  
 D505 *Withdrawn 1951; Specification for Terry (Turkish) Toweling*  
 D506 *Withdrawn 1958; Method of Test for Colorfastness to Light Textiles*  
 D507 *Withdrawn 1955; General Methods of Testing and Tolerances for Spun Rayon Yarns and Threads*  
 D508 *Withdrawn 1955; Methods of Testing and Tolerances for Yarns Spun from Wool Mixed with Fibers Other Than Wool*  
 D509-05(2011)<sup>1</sup> Test Methods of Sampling and Grading Rosin, **06.03**  
 D510 *Withdrawn 1975; Methods for Sampling Industrial Water; Replaced by D3370*  
 D511-09 Test Methods for Calcium and Magnesium In Water, **11.01**  
 D512-12 Test Methods for Chloride Ion In Water, **11.01**  
 D513-11<sup>1</sup> Test Methods for Total and Dissolved Carbon Dioxide in Water, **11.01**  
 D514 *Withdrawn 1996; Test Method for Hydroxide Ion in Water*  
 D515 *Withdrawn 1998; Test Methods for Phosphorus in Water*  
 D516-11 Test Method for Sulfate Ion in Water, **11.01**  
 D517-98(2008) Specification for Asphalt Plank, **04.03**  
 D518 *Withdrawn 2008; Test Method for Rubber Deterioration—Surface Cracking; Replaced by D1149*  
 D519-04(2013) Test Method for Length of Fiber in Wool Top, **07.01**  
 D520-00(2011) Specification for Zinc Dust Pigment, **06.03**  
 D521-02(2012) Test Methods for Chemical Analysis of Zinc Dust (Metallic Zinc Powder), **06.03**  
 D522-93a(2008) Test Methods for Mandrel Bend Test of Attached Organic Coatings, **06.01**  
 D523-08 Test Method for Specular Gloss, **06.01**  
 D524-10 Test Method for Ramsbottom Carbon Residue of Petroleum Products, **05.01**  
 D525-12a Test Method for Oxidation Stability of Gasoline (Induction Period Method), **05.01**  
 D526 *Withdrawn 1976; Method of Test for Tetraethyl-Lead in Gasoline*  
 D527 *Withdrawn 1974; Method of Test for Bulking Thickness of Paper*  
 D528 *Withdrawn 2010; Test Method for Machine Direction of Paper and Paperboard*  
 D529 *Withdrawn 2013; Practice for Enclosed Carbon-Arc Exposures of Bituminous Materials*  
 D530 *Withdrawn 1989; Methods of Testing Hard Rubber Products*  
 D531-00(2010) Test Method for Rubber Property—Pusey and Jones Indentation, **09.01**  
 D532 *Withdrawn 1996; Specification for Natural Rubber Jacket for Wire and Cable*  
 D533 *Withdrawn 2000; Specification for Built Soap, Powdered*  
 D534 *Withdrawn 2000; Specification for Alkaline Soap Powder*  
 D535 *Withdrawn 1959; Specification for Palm Oil Solid Soap (Type A, Straight; Type B, Blended)*

D536 *Withdrawn 1959; Specification for Palm Oil Chip Soap (Type A, Straight; Type B, Blended)*

D537 *Withdrawn 2001; Specification for Sodium Metasilicate*

D538 *Withdrawn 2001; Specification for Trisodium Phosphate*

D539 *Withdrawn 1970; Methods of Test for Apparent Fluidity of Dispersions of Cellulose Fibers*

D540 *Withdrawn 1974; Methods of Testing Man-Made Staple Fibers; Replaced by D3660*

D541 *Withdrawn 1996; Specification for Single Jute Yarn*

**D542-14** Test Method for Index of Refraction of Transparent Organic Plastics, **08.01**

**D543-06** Practices for Evaluating the Resistance of Plastics to Chemical Reagents, **08.01**

D544 *Withdrawn 1961; Specification for Preformed Expansion Joint Fillers for Concrete (Nonextruding and Resilient Types); Replaced by D1751, D1752*

**D545-08** Test Methods for Preformed Expansion Joint Fillers for Concrete Construction (Nonextruding and Resilient Types), **04.03**

**D546-10** Test Method for Sieve Analysis of Mineral Filler for Bituminous Paving Mixtures, **04.03**

D547 *Withdrawn 1987; Test Method for Index of Dustiness of Coal and Coke*

D548 *Withdrawn 2009; Test Method for Water-Soluble Acidity or Alkalinity of Paper*

D549 *Withdrawn 1993; Test Methods for Rosin in Paper and Paperboard*

D550 *Withdrawn 1958; Methods of Testing Glass Spool Insulators*

D551 *Withdrawn 1966; Method of Measuring Shrinkage from Mold Dimensions of Molded Materials Used for Electrical Insulation*

D552 *Withdrawn 1950; Method of Test for Cellular Rubber Products; Replaced by D1055, D1056*

D553 *Withdrawn 1966; Methods of Test for Viscosity and Total Solids Content of Rubber Cements; Replaced by D1084*

D554 *Withdrawn 1982; Specification for Amyl Acetate Made from Fusel Oil (85 to 88% Grade)*

D555 *Withdrawn 2007; Guide for Testing Drying Oils*

D556 *Withdrawn 1953; Specification for Materials for Soil-Aggregate Subbase, Base and Surface Courses; Replaced by D1241*

D557 *Withdrawn 1953; Specification for Materials for Soil-Aggregate Subbase, Base and Surface Courses; Replaced by D1241*

**D558-11** Test Methods for Moisture-Density (Unit Weight) Relations of Soil-Cement Mixtures, **04.08**

**D561-82(2008)** Specification for Carbon Black Pigment for Paint, **06.03**

**D562-10** Test Method for Consistency of Paints Measuring Krebs Unit (KU) Viscosity Using a Stormer-Type Viscometer, **06.01**

D563 *Withdrawn 2004; Test Method for Phthalic Anhydride Content of Alkyd Resins and Resin Solutions*

**D564-87(2008)** Test Methods for Liquid Paint Driers, **06.01**

**D565-99(2013)** Test Method for Carbonizable Substances in White Mineral Oil, **05.01**

**D566-02(2009)** Test Method for Dropping Point of Lubricating Grease, **05.01**

D567 *Withdrawn 1967; Method for Calculating Viscosity Index; Replaced by D2270*

D568 *Withdrawn 1991; Test Method for Rate of Burning and/or Extent and Time of Burning of Flexible Plastics in a Vertical Position*

D569 *Withdrawn 1995; Method for Measuring the Flow Properties of Thermoplastic Molding Materials*

**D570-98(2010)<sup>1</sup>** Test Method for Water Absorption of Plastics, **08.01**

D571 *Withdrawn 1982; Methods of Testing Rubber Hose for Automotive Hydraulic Brake System*

**D572-04(2010)** Test Method for Rubber Deterioration by Heat and Oxygen, **09.01**

**D573-04(2010)** Test Method for Rubber—Deterioration in an Air Oven, **09.01**

D574 *Withdrawn 1984; Specification for Ozone-Resisting Insulation for Wire and Cable*

**D575-91(2012)** Test Methods for Rubber Properties in Compression, **09.01**

D576 *Withdrawn 1949; Specification for All Wool, All Cotton, and Wool and Cotton Blanketing (Household)*

D577 *Withdrawn 1958; Methods of Testing Woven Asbestos Cloth*

**D578/D578M-05(2011)<sup>1</sup>** Specification for Glass Fiber Strands, **07.01**

**D579/D579M-10** Specification for Greige Woven Glass Fabrics, **07.01**

**D580/D580M-10** Specification for Greige Woven Glass Tapes and Webbing, **07.01**

**D581/D581M-12** Specification for Glass Fiber Greige Braided Tubular Sleeving, **07.01**

D582 *Withdrawn 1958; Methods of Test for Resistance of Textile Fabrics and Yarns to Insect Pests*

D583 *Withdrawn 1972; Methods of Test for Water Resistance of Textile Fabrics*

**D584-10** Test Method for Wool Content of Raw Wool—Laboratory Scale, **07.01**

D585 *Withdrawn 2010; Practice for Sampling and Accepting a Single Lot of Paper, Paperboard, Fiberboard, and Related Product*

D586 *Withdrawn 2009; Test Method for Ash in Pulp, Paper, and Paper Products*

D587 *Withdrawn 1982; Method of Test for Casein in Paper (Qualitative)*

D588 *Withdrawn 1980; Method of Test for Alpha, Beta, and Gamma-Cellulose in Paper*

D589 *Withdrawn 2010; Test Method for Opacity of Paper (15° Diffuse Illuminant A, 89 % Reflectance Backing and Paper Backing)*

D590 *Withdrawn 2009; Test Method for Petroleum Wax in Paper*

D591 *Withdrawn 1982; Method of Test for Starch in Paper*

D592 *Withdrawn 1959; Specification for Olive Oil Solid Soap (Type A, Straight; Type B, Blended)*

D593 *Withdrawn 1975; Specification for Salt-Water Soap (Coconut Oil Type)*

D594 *Withdrawn 2001; Specification for Sodium Sesquiosulfate*

D595 *Withdrawn 2001; Specification for Tetrasodium Pyrophosphate (Anhydrous)*

**D596-01(2011)** Guide for Reporting Results of Analysis of Water, **11.01**

D597 *Withdrawn 1965; Specification for Cut-Back Asphalt (Rapid Curing Type); Replaced by D2028*

D598 *Withdrawn 1965; Specification for Cut-Back Asphalt (Medium Curing Type); Replaced by D2027*

D599 *Withdrawn 1967; Method of Test for Physical State of Cure of Vulcanized Rubber (T-50 Test)*

**D600-07(2012)** Specification for Liquid Paint Driers, **06.04**

D601 *Withdrawn 2007; Specification for Oiticica Oil (Permanently Liquid)*

**D602-81(2012)** Specification for Barium Sulfate Pigments, **06.03**

D603 *Withdrawn 2004; Specification for Aluminum Silicate Pigments (Hydrous)*

D604 *Withdrawn 2003; Specification for Diatomaceous Silica Pigment*

**D605-82(2012)** Specification for Magnesium Silicate Pigment (Talc), **06.03**

D606 *Withdrawn 1952; Specification for Lead Titanate*

**D607-82(2012)** Specification for Wet Ground Mica Pigments, **06.03**

**D608-05(2011)** Specification for Dibutyl Phthalate, **06.04**

**D609-00(2012)** Practice for Preparation of Cold-Rolled Steel Panels for Testing Paint, Varnish, Conversion Coatings, and Related Coating Products, **06.01**

**D610-08(2012)** Practice for Evaluating Degree of Rusting on Painted Steel Surfaces, **06.01**

**D611-12** Test Methods for Aniline Point and Mixed Aniline Point of Petroleum Products and Hydrocarbon Solvents, **05.01**

**D612-88(2012)** Test Method for Carbonizable Substances in Paraffin Wax, **05.01**

**D613-10a<sup>1</sup>** Test Method for Cetane Number of Diesel Fuel Oil, **05.05**

D614 *Withdrawn 1971; Method of Test for Knock Characteristics of Aviation Fuels by the Aviation Method; Replaced by D2700*

D615 *Withdrawn 1944; Specification for Aviation Gasolines*

D616 *Withdrawn 1951; Specification for Laminated Thermosetting Materials; Replaced by D709*

D617 *Withdrawn 2003; Test Method for Punching Quality of Phenolic Laminated Sheets*

**D618-13** Practice for Conditioning Plastics for Testing, **08.01**

D619 *Withdrawn 2013; Test Methods for Vulcanized Fibre Used for Electrical Insulation*

D620 *Withdrawn 1965; Method of Test for Colorfastness of Plastics to Light*

D621 *Withdrawn 1994; Test Methods for Deformation of Plastics Under Load*

**D622-99(2012)** Test Methods for Rubber Hose for Automotive Air and Vacuum Brake System, **09.02**

**D623-07(2014)** Test Methods for Rubber Property—Heat Generation and Flexing Fatigue In Compression, **09.01**

**D624-00(2012)** Test Method for Tear Strength of Conventional Vulcanized Rubber and Thermoplastic Elastomers, **09.01**

D625 *Withdrawn 1949; Specification for Medium-Weight Cotton Corduroy Fabrics*

D626 *Withdrawn 1969; Specification for Fire-Retardant Properties of Treated Textile Fabrics*

D627 *Withdrawn 1958; Methods of Test for Evaluating Compounds Designed to Increase Resistance of Fabrics and Yarns to Insect Pests*

**D628/D628M-95(2009)<sup>1</sup>** Specification for Asbestos Tubular Slewing, **04.05**

**D629-08** Test Methods for Quantitative Analysis of Textiles, **07.01**

D630 *Withdrawn 1981; Specification for Olive Oil Chip Soap (Type A, Straight; Type B, Blended)*

D631 *Withdrawn 1950; Specification for Emulsified Asphalt; Replaced by D977*

**D632-12** Specification for Sodium Chloride, **04.03**

**D633-11** Volume Correction Table for Road Tar, **04.03**

D634 *Withdrawn 1963; Methods of Test for Product Uniformity of Phenolic Laminated Sheets*

**D635-10** Test Method for Rate of Burning and/or Extent and Time of Burning of Plastics in a Horizontal Position, **08.01**

D636 *Withdrawn 1960; Method of Test for Diffusion of Light by Plastics*

D637 *Withdrawn 1995; Test Method for Surface Irregularities of Flat Transparent Plastic Sheets*

**D638-10** Test Method for Tensile Properties of Plastics, **08.01**

D638M *Withdrawn 1996; Test Method for Tensile Properties of Plastics [Metric]*

D639 *Withdrawn 1989; Methods of Testing Battery Containers Made from Hard Rubber or Equivalent Materials*

D640 *Withdrawn 1952; Specification and Methods of Test for Concentrated Ammonia Preserved Creamed and Centrifuged Natural Rubber Latex; Replaced by D1076*

D641 *Withdrawn 1978; Method of Test for Conditioning Paperboard, Fiberboard, and Paperboard Containers for Testing; Replaced by D685*

**D642-00(2010)** Test Method for Determining Compressive Resistance of Shipping Containers, Components, and Unit Loads, **15.10**

D643 *Withdrawn 2010; Test Method for Folding Endurance of Paper by the Schopper Tester*

D644 *Withdrawn 2010; Test Method for Moisture Content of Paper and Paperboard by Oven Drying*

D645/D645M *Withdrawn 2010; Test Method for Thickness of Paper and Paperboard*

**D646-13** Test Method for Mass Per Unit Area of Paper and Paperboard of Aramid Papers (Basis Weight), **07.01**



D647 *Withdrawn 1994; Practice for Design of Molds for Test Specimens of Plastic Molding Materials; Replaced by D1896, D3419, D3641, D4703, D5227*

**D648-07** Test Method for Deflection Temperature of Plastics Under Flexural Load in the Edgewise Position, **08.01**

D649 *Withdrawn 1947; Method of Test for Compressive Strength of Electrical Insulating Materials; Replaced by D695*

D650 *Withdrawn 1948; Tentative Method of Test for Flexural Strength of Electrical Insulating Materials; Replaced by D790*

D651 *Withdrawn 1991; Test Method for Tensile Strength of Molded Electrical Insulating Materials*

D652 *Withdrawn 1957; Method of Test for Measuring Mica Stampings Used in Electronic Devices and Incandescent Lamps*

**D653-11** Terminology Relating to Soil, Rock, and Contained Fluids, **04.08**

D654 *Withdrawn 1958; Specification for Coal-Tar Pitch for Steep Built-Up Roofs*

D655 *Withdrawn 1971; Specification for Asphalt-Saturated and Coated Asbestos Felts for Use in Constructing Built-Up Roofs*

D656 *Withdrawn 2003; Specification for Pure Toluoline Red Toner*

D657 *Withdrawn 1979; Specification for Isopropyl Acetate*

D659 *Withdrawn 1990; Method of Evaluating Degree of Chalking of Exterior Paints; Replaced by D4214*

**D660-93(2011)** Test Method for Evaluating Degree of Checking of Exterior Paints, **06.01**

**D661-93(2011)** Test Method for Evaluating Degree of Cracking of Exterior Paints, **06.01**

**D662-93(2011)** Test Method for Evaluating Degree of Erosion of Exterior Paints, **06.01**

D663 *Withdrawn 1948; Tentative Method of Test for Acid and Base Value Numbers of Petroleum Oils by Color-Indicator Titration; Replaced by D974*

**D664-11a** Test Method for Acid Number of Petroleum Products by Potentiometric Titration, **05.01**

**D665-12** Test Method for Rust-Preventing Characteristics of Inhibited Mineral Oil in the Presence of Water, **05.01**

D666 *Withdrawn 1964; Method for Conversion of Kinematic Viscosity to Saybolt Furoil Viscosity; Replaced by D2161*

D667 *Withdrawn 1963; Methods of Testing Steatite Used as Electrical Insulation; Combined with D 116*

**D668-12** Test Methods of Measuring Dimensions of Rigid Rods and Tubes Used for Electrical Insulation, **10.01**

D669 *Withdrawn 2011; Test Method for Dissipation Factor and Permittivity Parallel with Laminations of Laminated Sheet and Plate Materials*

D670 *Withdrawn 1954; Methods of Test for Sludge Formatting in Mineral Transformer Oil*

D671 *Withdrawn 2002; Test Method for Flexural Fatigue of Plastics by Constant-Amplitude-of-Force*

D672 *Withdrawn 1951; Method of Test for Luminous Reflectance, Transmittance, and Color of Materials*

D673 *Withdrawn 1998; Test Method for Mar Resistance of Plastics*

D674 *Withdrawn 1976; Recommended Practices for Long-Time Creep or Stress Relaxation of Plastics Under Tension or Compression at Different Temperatures; Replaced by D2990*

D675 *Withdrawn 1961; Nomenclature of Descriptive Terms Pertaining to Plastics; Combined with D 883*

D676 *Withdrawn 1965; Method of Test for Indentation of Rubber by Means of a Durometer; Replaced by D2240*

D677 *Withdrawn 1958; Specification for Woven Asbestos Cloth; Replaced by D1571*

D678 *Withdrawn 1947; Tentative Specifications for Finished, All-Cotton, Upholstery Tapestries*

D679 *Withdrawn 1966; Methods of Testing and Tolerances for Certain Fine Staple Cotton Gray Goods*

D680 *Withdrawn 1966; Methods of Testing and Tolerances for Certain All-Cotton and Rayon Fine Fancy Goods*

D681 *Withdrawn 2000; Specification for Jute Rove and Plied Yarn for Electrical and Packing Purposes*

D682 *Withdrawn 1958; Method of Test for Colorfastness of Dyed Acetate to Atmospheric Fumes*

D683 *Withdrawn 1961; Methods of Test for Identification of Finishes on Textiles*

D684 *Withdrawn 1958; Methods of Test for Resistance of Textile Materials to Microorganisms*

**D685-12** Practice for Conditioning Paper and Paper Products for Testing, **15.10**

D686 *Withdrawn 2011; Test Methods of Qualitative Examination of Mineral Filler and Mineral Coating of Paper*

D687 *Withdrawn 1973; Method for Quantitative Determination of Coating on Mineral-Coated Paper*

D688 *Withdrawn 1967; Method of Test for Pentosans in Paper*

D689 *Withdrawn 2009; Test Method for Internal Tearing Resistance of Paper*

D690 *Withdrawn 1981; Specification for Compound Chip Soap (with Rosin)*

D691 *Withdrawn 1981; Specification for Compound Powdered Soap (Granulated, with Rosin)*

**D692/D692M-09** Specification for Coarse Aggregate for Bituminous Paving Mixtures, **04.03**

D693 *Withdrawn 2008; Specification for Crushed Aggregate for Macadam Pavements*

D694 *Withdrawn 1977; Specification for Crushed Stone, Crushed Slag, and Crushed Gravel for Water-Bound Macadam Base Courses; Replaced by D693*

**D695-10** Test Method for Compressive Properties of Rigid Plastics, **08.01**

**D696-08<sup>-1</sup>** Test Method for Coefficient of Linear Thermal Expansion of Plastics Between -30°C and 30°C with a Vitreous Silica Dilatometer, **08.01**

D697 *Withdrawn 1954; Method of Test for Water Vapor Permeability of Plastic Sheets; Replaced by E96*

**D698-12<sup>-1</sup>** Test Methods for Laboratory Compaction Characteristics of Soil Using Standard Effort (12 400 ft-lbf/ft<sup>3</sup> (600 kN-m/m<sup>3</sup>)), **04.08**

D699 *Withdrawn 1978; Specification for Asphalt Sliding Organic Felt Surfaced with Mineral Granules*

D700 *Withdrawn 1991; Specification for Phenolic Molding Compounds*

D701 *Withdrawn 1982; Specification for Cellulose Nitrate (Pyroxylin) Plastic Sheets, Rods, and Tubes*

D702 *Withdrawn 1990; Specification for Cast Methacrylate Plastic Sheets*

D703 *Withdrawn 1987; Specification for Polystyrene Molding Compounds; Replaced by D4549*

**D704-99(2012)** Specification for Melamine-Formaldehyde Molding Compounds, **08.01**

**D705-99(2012)** Specification for Urea-Formaldehyde Molding Compounds, **08.01**

**D706-09** Classification System and Basis for Specifications for Cellulose Acetate Molding and Extrusion Compounds, **08.01**

**D707-09** Classification System and Basis for Specification for Cellulose Acetate Butyrate Molding and Extrusion Compounds, **08.01**

D708 *Withdrawn 1963; Specification for Vinyl Chloride Polymer and Copolymer Rigid Sheets*

**D709-13** Specification for Laminated Thermosetting Materials, **10.01**

**D710-13** Specification for Vulcanized Fibre Sheets, Rods, and Tubes Used for Electrical Insulation, **10.01**

**D711-10** Test Method for No-Pick-Up Time of Traffic Paint, **06.02**

D712 *Withdrawn 1958; Method of Test for Light Sensitivity of Traffic Paint*

**D713-12** Practice for Conducting Road Service Tests on Fluid Traffic Marking Materials, **06.02**

**D714-02(2009)** Test Method for Evaluating Degree of Blistering of Paints, **06.01**

**D715-86(2008)** Test Methods for Analysis of Barium Sulfate Pigment, **06.03**

**D716-86(2012)** Test Methods for Evaluating Mica Pigment, **06.03**

**D717-86(2008)** Test Methods for Analysis of Magnesium Silicate Pigment, **06.03**

**D718-86(2008)** Test Methods for Analysis of Aluminum Silicate Pigment, **06.03**

D719 *Withdrawn 2003; Test Methods for Analysis of Diatomaceous Silica Pigment*

**D720-91(2010)** Test Method for Free-Swelling Index of Coal, **05.06**

**D721-06(2011)** Test Method for Oil Content of Petroleum Waxes, **05.01**

D722 *Withdrawn 2010; Test Method for Grease Resistance of Paper*

D723 *Withdrawn 1985; Method of Test for Degree of Staining of Paper by Alkali*

D724 *Withdrawn 2009; Test Method for Surface Wettability of Paper (Angle-of-Contact Method)*

D725 *Withdrawn 1980; Method for Identification of Wire Side of Paper; Reinstated 1990 as D 5039*

D726 *Withdrawn 2009; Test Method for Resistance of Nonporous Paper to Passage of Air*

D727 *Withdrawn 2011; Test Method for Kerosine Number of Roofing and Flooring Felt by the Vacuum Method*

D728 *Withdrawn 1963; Specification for Vinyl Chloride-Acetate, Molding Compound Resin*

D729 *Withdrawn 2000; Specification for Vinylidene Chloride Molding Compounds*

D730 *Withdrawn 1961; Specification for Low and Medium Voltage Pin-type Lime-Glass Insulators*

**D731-10** Test Method for Molding Index of Thermosetting Molding Powder, **08.01**

**D732-10** Test Method for Shear Strength of Plastics by Punch Tool, **08.01**

D733 *Redesignated F39*

D734 *Withdrawn 1963; Specification for Insulated Wire and Cable: Vinyl Chloride Plastic Insulating Compound; Replaced by D2219, D2220*

D735 *Withdrawn 1968; Specification for Elastomer Compounds for Automotive Applications; Replaced by D2000*

D736 *Withdrawn 1966; Method of Test for Low-Temperature Brittleness of Rubber and Rubber-Like Materials*

**D737-04(2012)** Test Method for Air Permeability of Textile Fabrics, **07.01**

D738 *Withdrawn 1972; Methods of Testing and Tolerances for Rope Made from Bast and Leaf Fibers*

D739 *Withdrawn 1972; Methods of Testing and Tolerances for Spun, Twisted, or Braided Products Made from Flax, Hemp, Ramie or Mixtures Thereof*

**D740-11** Specification for Methyl Ethyl Ketone, **06.04**

D741 *Withdrawn 1972; Methods of Measuring Dimensions of Rigid Rods Used in Electrical Insulation; Replaced by D668*

D742 *Withdrawn 1956; Specification for Nonrigid Vinyl Chloride-Acetate Resin Plastics*

D743 *Withdrawn 1948; Specification for Nonrigid Ethyl Cellulose Plastics*

D744 *Withdrawn 1956; Specification for Nonrigid Vinyl Chloride Plastics*

D745 *Withdrawn 1950; Specification for Nonrigid Vinyl Butyral Plastics*

**D746-13** Test Method for Brittleness Temperature of Plastics and Elastomers by Impact, **08.01**

**D747-10** Test Method for Apparent Bending Modulus of Plastics by Means of a Cantilever Beam, **08.01**

**D748-00(2011)** Specification for Natural Block Mica and Mica Films Suitable for Use in Fixed Mica-Dielectric Capacitors, **10.01**

D749 *Withdrawn 1976; Method of Calibrating a Light Source Used for*

- Accelerating the Deterioration of Rubber*
- D750-12** Practice for Rubber Deterioration Using Artificial Weathering Apparatus, **09.01**
- D751-06(2011)** Test Methods for Coated Fabrics, **09.02**
- D752 Withdrawn 1984; Specification for Heavy-Duty Block Polychloroprene Jacket for Wire and Cable; Replaced by D4247*
- D753 Withdrawn 1984; Specification for General Purpose Polychloroprene Jacket for Wire and Cable; Replaced by D4247*
- D754 Withdrawn 1984; Specification for Synthetic Rubber Insulation for Wire and Cable, 75°C Operation*
- D755 Withdrawn 1984; Specification for Synthetic Rubber Insulation for Wire and Cable, 60°C Operation*
- D756 Withdrawn 1998; Practice for Determination of Weight and Shape Changes of Plastics Under Accelerated Service Conditions*
- D757 Withdrawn 1966; Method of Test for Incandescence Resistance of Rigid Plastics in a Horizontal Position*
- D758 Withdrawn 1969; Method of Test for Impact Resistance of Plastics at Subnormal and Supernormal Temperatures*
- D759 Withdrawn 1982; Practice for Conducting Physical Property Tests of Plastics at Subnormal and Supernormal Temperatures*
- D760 Withdrawn 1952; Specification for Enclosures and Servicing Units for Tests Above and Below Room Temperatures*
- D761 Withdrawn 1952; Specification for Enclosures and Servicing Units for Tests Above and Below Room Temperatures*
- D762 Withdrawn 1965; Method of Test for Hot Extraction of Asphaltic Materials and Recovery of Bitumen by the Modified Abson Procedure; Replaced by D1856*
- D763-06(2012)** Specification for Raw and Burnt Umber Pigments, **06.03**
- D764 Withdrawn 1948; Specification for Raw Burnt Umber; Combined with D 763*
- D765-87(2009)** Specification for Raw and Burnt Sienna Pigments, **06.03**
- D766 Withdrawn 1948; Specification for Raw Burnt Sienna; Combined with D 765*
- D767 Withdrawn 1976; Specification for Venetian Red*
- D768-01(2012)** Specification for Yellow Iron Oxide Hydrated, **06.03**
- D769-01(2012)** Specification for Black Synthetic Iron Oxide, **06.03**
- D770-11** Specification for Isopropyl Alcohol, **06.04**
- D771 Withdrawn 1955; Method of Test for Daylight 45 degree, 0 degree Luminous Directional Reflectance of Paint Finishes*
- D772-86(2011)** Test Method for Evaluating Degree of Flaking (Scaling) of Exterior Paints, **06.01**
- D773 Withdrawn 1982; Method of Test for Adhesiveness of Gummed Tape*
- D774/D774M Withdrawn 2010; Test Method for Bursting Strength of Paper*
- D775 Withdrawn 1993; Method of Drop Test for Loaded Boxes; Replaced by D5276*
- D776 Withdrawn 2009; Test Method for Determination of Effect of Dry Heat on Properties of Paper and Board*
- D777 Withdrawn 2009; Test Method for Flammability of Treated Paper and Paperboard*
- D778 Withdrawn 2010; Test Methods for Hydrogen Ion Concentration (pH) of Paper Extracts (Hot-Extraction and Cold-Extraction Procedures)*
- D779 Withdrawn 2011; Test Method for Water Resistance of Paper, Paperboard, and Other Sheet Materials by the Dry Indicator Method*
- D780 Withdrawn 2009; Test Method for Printing Ink Permeation of Paper (Castor Oil Test)*
- D781 Withdrawn 1984; Test Methods for Puncture and Stiffness of Paperboard and Corrugated and Solid Fiberboard; Replaced by TAPPI T 803*
- D782 Withdrawn 1999; Test Method for Shipping Containers in Revolving Hexagonal Drum*
- D783 Withdrawn 1948; Tentative Method of Test for Water-Vapor Permeability of Paper and Paperboard; Replaced by E96*
- D784 Withdrawn 2013; Specification for Orange Shellac and Other Indian Lacs for Electrical Insulation*
- D785-08** Test Method for Rockwell Hardness of Plastics and Electrical Insulating Materials, **08.01**
- D786 Withdrawn 1982; Specification for Cellulose Acetate Plastic Sheets*
- D787-12** Specification for Ethyl Cellulose Molding and Extrusion Compounds, **08.01**
- D788-12** Classification System for Poly(Methyl Methacrylate) (PMMA) Molding and Extrusion Compounds, **08.01**
- D789-07<sup>-1</sup>** Test Methods for Determination of Solution Viscosities of Polyamide (PA), **08.01**
- D790-10** Test Methods for Flexural Properties of Unreinforced and Reinforced Plastics and Electrical Insulating Materials, **08.01**
- D790M Withdrawn 1996; Test Methods for Flexural Properties of Unreinforced and Reinforced Plastics and Electrical Insulating Materials [Metric]*
- D791 Withdrawn 1967; Method of Test for Luminous Reflectance, Transmittance, and Color of Materials; Replaced by E308*
- D792-13** Test Methods for Density and Specific Gravity (Relative Density) of Plastics by Displacement, **08.01**
- D793 Withdrawn 1982; Method of Test for Short-Time Stability at Elevated Temperatures of Plastics containing Chlorine*
- D794 Withdrawn 1998; Practice for Determining Permanent Effect of Heat on Plastics*
- D795 Withdrawn 1971; Recommended Practice for Accelerated Weathering of Plastics Using S-1 Mercury Arc Lamp*
- D796 Withdrawn 1992; Practice for Compression Molding Test Specimens of Phenolic Molding Compounds; Replaced by D5224*
- D797 Withdrawn 1994; Test Methods for Rubber Property—Young's Modulus at Normal and Subnormal Temperatures*

- D798 Withdrawn 1949; Specification and Methods of Test for Sponge and Expanded Cellular Rubber Products; Replaced by D1055, D1056*
- D799 Withdrawn 2000; Specification for Liquid Toilet Soap*
- D800-05(2014)** Test Methods of Chemical Analysis of Industrial Metal Cleaning Compositions, **15.04**
- D801-02(2013)** Test Methods for Sampling and Testing Dipentene, **06.03**
- D802-02(2013)** Test Methods for Sampling and Testing Pine Oils, **06.03**
- D803-12** Test Methods for Testing Tall Oil, **06.03**
- D804-12** Terminology Relating to Pine Chemicals, Including Tall Oil and Related Products, **06.03**
- D805 Withdrawn 1976; Methods of Testing Veneer, Plywood, and Other Glued Veneer Constructions; Replaced by D3499, D3500, D3501*
- D806-11** Test Method for Cement Content of Hardened Soil-Cement Mixtures, **04.08**
- D807-14** Practice for Assessing the Tendency of Industrial Boiler Waters to Cause Embrittlement (USBM Embrittlement Detector Method), **11.01**
- D808-11** Test Method for Chlorine in New and Used Petroleum Products (High Pressure Decomposition Device Method), **05.01**
- D809 Withdrawn 1952; Method of Test for Phosphorous in Lubricating Oils, Lubricating Oil Additives and Their Concentrates; Replaced by D1091*
- D810 Withdrawn 1963; Methods of Test for Sulfated Residue, Lead, Iron and Copper in Lubricating Oils*
- D811 Withdrawn 1989; Method for Chemical Analysis for Metals in New and Used Lubricating Oils*
- D812 Withdrawn 1948; Specification for GR-S (Synthetic Rubber) Sheath Compound for Electrical Insulated Cords and Cables Where Extreme Abrasion Resistance Is Not Required*
- D813-07(2014)** Test Method for Rubber Deterioration—Crack Growth, **09.01**
- D814-95(2010)** Test Method for Rubber Property Vapor Transmission of Volatile Liquids, **09.01**
- D815 Withdrawn 1989; Method of Testing Coated Fabrics—Hydrogen Permeance*
- D816-06(2011)** Test Methods for Rubber Cements, **09.01**
- D817-12** Test Methods of Testing Cellulose Acetate Propionate and Cellulose Acetate Butyrate, **06.03**
- D818 Withdrawn 1953; Specification for Natural Rubber Cups for Use in Hydraulic Actuating Cylinders*
- D819 Withdrawn 1959; Specification for Cast Allyl Plastic Sheets, Rods, Tubes, and Shapes*
- D820-93(2009)** Test Methods for Chemical Analysis of Soaps Containing Synthetic Detergents, **15.04**
- D821 Withdrawn 1984; Method of Evaluating Degree of Abrasion, Erosion, or a Combination of Both in Road Service Test of Traffic Paints*
- D822/D822M-13** Practice for Filtered Open-Flame Carbon-Arc Exposures of Paint and Related Coatings, **06.01**
- D823-95(2012)<sup>-1</sup>** Practices for Producing Films of Uniform Thickness of Paint, Varnish, and Related Products on Test Panels, **06.01**
- D824 Withdrawn 2010; Test Method for Rate of Absorption of Water by Bibulous Papers*
- D825 Withdrawn 1973; Methods of Test for Ply Adhesion of Paper*
- D826 Withdrawn 1985; Methods of Test for Degree of Wet Curl of Paper*
- D827 Withdrawn 1981; Method of Test for Edge Tearing Strength of Paper*
- D828 Withdrawn 2009; Test Method for Tensile Properties of Paper and Paperboard Using Constant-Rate-of-Elongation Apparatus*
- D829 Withdrawn 2009; Test Method for Wet Tensile Breaking Strength of Paper and Paper Products*
- D830 Withdrawn 1948; Method of Test for Water Vapor Permeability of Paper and Paperboard; Replaced by E96*
- D831/D831M-12** Test Method for Gas Content of Cable and Capacitor Oils, **10.03**
- D832-07(2012)** Practice for Rubber Conditioning For Low Temperature Testing, **09.01**
- D833 Withdrawn 1960; Methods of Identification and Quantitative Analysis of Synthetic Elastomers; Combined with D 297*
- D834 Withdrawn 1984; Methods of Test for Free Ammonia in Phenol-Formaldehyde Molded Materials; Combined with D 297*
- D835 Withdrawn 1997; Specification for Refined Benzene—485*
- D836 Withdrawn 1991; Specification for Industrial Grade Benzene*
- D837 Withdrawn 1963; Specification for Industrial 90 Benzene*
- D838 Withdrawn 1978; Specification for Refined Solvent Naphtha*
- D839 Withdrawn 1975; Specification for Crude Light Solvent Naphtha*
- D840 Withdrawn 1975; Specification for Crude Heavy Solvent Naphtha*
- D841-13** Specification for Nitration Grade Toluene, **06.04**
- D842 Withdrawn 1963; Specification for Industrial Grade Toluene*
- D843-06(2011)<sup>-1</sup>** Specification for Nitration Grade Xylene, **06.04**
- D844 Withdrawn 1963; Specification for Industrial Grade Xylene*
- D845 Withdrawn 1982; Specification for Five-Degree Xylene*
- D846 Withdrawn 1991; Specification for Ten-Degree Xylene*
- D847-08** Test Method for Acidity of Benzene, Toluene, Xylenes, Solvent Naphthas, and Similar Industrial Aromatic Hydrocarbons, **06.04**
- D848-09** Test Method for Acid Wash Color of Industrial Aromatic Hydrocarbons, **06.04**
- D849-11** Test Method for Copper Strip Corrosion by Industrial Aromatic Hydrocarbons, **06.04**
- D850-11** Test Method for Distillation of Industrial Aromatic Hydrocarbons and Related Materials, **06.04**
- D851 Withdrawn 1975; Method of Test for Paraffins in Industrial Aromatic Hydrocarbons*
- D852-13** Test Method for Solidification Point of Benzene, **06.04**
- D853 Withdrawn 2013; Test Method for Hydrogen Sulfide and Sulfur Dioxide*

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**D854-10** Test Methods for Specific Gravity of Soil Solids by Water Pycnometer, **04.08**

**D855** *Withdrawn 1977; Method of Analysis of Oil-Soluble Sodium Petroleum Sulfonates*

**D856** *Withdrawn 1991; Test Methods for Sampling and Testing Pine Tar and Pine-Tar Oils*

**D857-12** Test Method for Aluminum in Water, **11.01**

**D858-12** Test Methods for Manganese in Water, **11.01**

**D859-10** Test Method for Silica in Water, **11.01**

**D860** *Withdrawn 1975; Method of Sampling Water from Boilers; Replaced by D3370*

**D861-07(2013)** Practice for Use of the Tex System to Designate Linear Density of Fibers, Yarn Intermediates, and Yarns, **07.01**

**D862** *Withdrawn 1972; Methods of Test for Evaluating Treated Textiles for Permanence of Resistance to Microorganisms*

**D863** *Withdrawn 1948; Method of Measuring the Flow of Properties of Thermoplastic Molding Materials; Combined with D 569*

**D864** *Withdrawn 1989; Test Method for Coefficient of Cubical Thermal Expansion of Plastics*

**D865-11** Test Method for Rubber—Deterioration by Heating in Air (Test Tube Enclosure), **09.01**

**D866** *Withdrawn 2009; Specification for Crosslinked Styrene-Butadiene (SBR) Synthetic Rubber Jacket for Wire and Cable*

**D867** *Withdrawn 1995; Specification for Pumice Pigment*

**D868-10** Practice for Determination of Degree of Bleeding of Traffic Paint, **06.02**

**D869-85(2011)** Test Method for Evaluating Degree of Settling of Paint, **06.01**

**D870-09** Practice for Testing Water Resistance of Coatings Using Water Immersion, **06.01**

**D871-96(2010)** Test Methods of Testing Cellulose Acetate, **06.03**

**D872** *Withdrawn 1991; Test Method for Sulfonation Index of Road Tars*

**D873-12** Test Method for Oxidation Stability of Aviation Fuels (Potential Residue Method), **05.01**

**D874-13a** Test Method for Sulfated Ash from Lubricating Oils and Additives, **05.01**

**D875** *Withdrawn 1984; Method for Calculating of Olefins and Aromatics in Petroleum Distillates from Bromine Number and Acid Absorption*

**D876-13** Test Methods for Nonrigid Vinyl Chloride Polymer Tubing Used for Electrical Insulation, **10.01**

**D877/D877M-13** Test Method for Dielectric Breakdown Voltage of Insulating Liquids Using Disk Electrodes, **10.03**

**D878-01(2006)** Test Method for Inorganic Chlorides and Sulfates in Insulating Oils, **10.03**

**D879** *Withdrawn 1982; Specification for Communication and Signal Pin-Type Lime-Glass Insulators*

**D880-92(2008)** Test Method for Impact Testing for Shipping Containers and Systems, **15.10**

**D881** *Withdrawn 1995; Test Method for Deviation of Line of Sight Through Transparent Plastics*

**D882-12** Test Method for Tensile Properties of Thin Plastic Sheeting, **08.01**

**D883-12** Terminology Relating to Plastics, **08.01**

**D884** *Withdrawn 1962; Methods of Estimating Blocking of Plastic Sheets*

**D885M** *Withdrawn 1998; Replaced by D885*

**D885/D885M-10a(2014)<sup>1</sup>** Test Methods for Tire Cords, Tire Cord Fabrics, and Industrial Filament Yarns Made from Manufactured Organic-Base Fibers, **07.01**

**D886** *Withdrawn 1973; Methods of Impregnation & Penetration of Glass Yarn with Insulating Varnish*

**D887-13** Practices for Sampling Water-Formed Deposits, **11.02**

**D888-12<sup>1</sup>** Test Methods for Dissolved Oxygen in Water, **11.01**

**D889-13** Test Method for Volatile Oil in Rosin, **06.03**

**D890-12** Test Method for Water in Liquid Pine Chemicals, **06.03**

**D891-09** Test Methods for Specific Gravity, Apparent, of Liquid Industrial Chemicals, **15.05**

**D892-13** Test Method for Foaming Characteristics of Lubricating Oils, **05.01**

**D893-12** Test Method for Insolubles in Used Lubricating Oils, **05.01**

**D894** *Withdrawn 1950; Method of Test for Sulfur in Petroleum Products and Lubricating Oils by Bomb Method; Combined with D 129*

**D895** *Withdrawn 1999; Test Method for Water Vapor Permeability of Packages*

**D896-04(2010)<sup>1</sup>** Practice for Resistance of Adhesive Bonds to Chemical Reagents, **15.06**

**D897-08** Test Method for Tensile Properties of Adhesive Bonds, **15.06**

**D898** *Withdrawn 2006; Test Method for Applied Weight Per Unit Area of Dried Adhesive Solids*

**D899-00(2013)** Practice for Applied Weight Per Unit Area of Liquid Adhesive, **15.06**

**D900** *Withdrawn 1975; Methods of Test for Calorific Value of Gaseous Fuels by the Water-Flow Calorimeter*

**D901** *Withdrawn 2004; Test Methods for Askarels*

**D902-12** Test Methods for Flexible Resin-Coated Glass Fabrics and Glass Fabric Tapes Used for Electrical Insulation, **10.01**

**D903-98(2010)** Test Method for Peel or Stripping Strength of Adhesive Bonds, **15.06**

**D904-99(2013)** Practice for Exposure of Adhesive Specimens to Artificial Light, **15.06**

**D905-08(2013)** Test Method for Strength Properties of Adhesive Bonds in Shear by Compression Loading, **15.06**

**D906-98(2011)** Test Method for Strength Properties of Adhesives in Plywood Type Construction in Shear by Tension Loading, **15.06**

**D907-12a** Terminology of Adhesives, **15.06**

**D908** *Withdrawn 1969; Method of Test for Knock Characteristics of Motor Fuels of 100 Octane Number and Below by the Research Method; Replaced by D2699*

**D909-07(2012)<sup>1</sup>** Test Method for Supercharge Rating of Spark-Ignition Aviation Gasoline, **05.05**

**D910-13** Specification for Aviation Gasolines, **05.01**

**D911** *Withdrawn 1994; Specification for Mercuric Oxide for Use in Antifouling Paints*

**D912** *Withdrawn 2004; Specification for Cuprous Oxide for Use in Antifouling Paints*

**D913-10** Practice for Evaluating Degree of Traffic Paint Line Wear, **06.02**

**D914-12** Test Methods for Ethylcellulose, **06.03**

**D915** *Withdrawn 1987; Method of Testing Soil-Bituminous Mixtures*

**D916** *Withdrawn 1964; Method of Test for Shear Strength of Flexible Road Surfaces, Subgrades, and Fills by the Burggraf Shear Apparatus*

**D917** *Withdrawn 1981; Method of Test for Bleeding Resistance of Asphalted Paper at 65°C*

**D918** *Withdrawn 2011; Test Method for Blocking Resistance of Paper and Paperboard*

**D919** *Withdrawn 2009; Test Method for Copper Number of Paper and Paperboard*

**D920** *Withdrawn 1989; Method of Test for Blocking Resistance of Paper and Paperboard*

**D921** *Withdrawn 1980; Method of Test for Titanium Dioxide in Paper*

**D922-11** Specification for Nonrigid Vinyl Chloride Polymer Tubing, **10.01**

**D923-07** Practices for Sampling Electrical Insulating Liquids, **10.03**

**D924-08** Test Method for Dissipation Factor (or Power Factor) and Relative Permittivity (Dielectric Constant) of Electrical Insulating Liquids, **10.03**

**D925-14** Test Methods for Rubber Property—Staining of Surfaces (Contact, Migration, and Diffusion), **09.01**

**D926-08(2013)** Test Method for Rubber Property—Plasticity and Recovery (Parallel Plate Method), **09.01**

**D927** *Withdrawn 1959; Method of Test for Viscosity of Rubber and Rubber-Like Materials by the Shearing Disc Viscometer; Replaced by D1646*

**D928-03(2009)** Specification for Sodium Bicarbonate, **15.04**

**D929** *Withdrawn 2001; Specification for Borax*

**D930** *Withdrawn 2001; Test Method of Total Immersion Corrosion Test of Water-Soluble Aluminum Cleaners*

**D931** *Withdrawn 1956; Method of Test for Thiophene in Benzene; Replaced by D1685*

**D932-85(2009)** Test Method for Iron Bacteria in Water and Water-Formed Deposits, **11.02**

**D933-84(2012)** Practice for Reporting Results of Examination and Analysis of Water-Formed Deposits, **11.02**

**D934-13** Practices for Identification of Crystalline Compounds in Water-Formed Deposits By X-Ray Diffraction, **11.02**

**D935** *Withdrawn 1968; Method of Corrosivity Test of Industrial Water; Replaced by D2688*

**D936** *Withdrawn 1991; Test Method for Aromatic Hydrocarbons in Olefin-Free Gasolines by Silica Gel Absorption*

**D937-07(2012)** Test Method for Cone Penetration of Petrolatum, **05.01**

**D938-12** Test Method for Congealing Point of Petroleum Waxes, Including Petrolatum, **05.01**

**D939** *Withdrawn 1963; Method of Test for Saponification Number by Potentiometric Titration*

**D940** *Withdrawn 1949; Method of Test for Determination of Purity by Measurement of Freezing Points; Replaced by D1015, D1016*

**D941** *Withdrawn 1993; Test Method for Density and Relative Density (Specific Gravity) of Liquids by Lipkin Bicapillary Pycnometer*

**D942-02(2007)** Test Method for Oxidation Stability of Lubricating Greases by the Oxygen Pressure Vessel Method, **05.01**

**D943-04a(2010)<sup>1</sup>** Test Method for Oxidation Characteristics of Inhibited Mineral Oils, **05.01**

**D944** *Withdrawn 1966; Specification for Mechanical Roll Felt; Replaced by D2475*

**D945-06(2012)** Test Methods for Rubber Properties in Compression or Shear (Mechanical Oscillograph), **09.01**

**D946/D946M-09a** Specification for Penetration-Graded Asphalt Cement for Use in Pavement Construction, **04.03**

**D947** *Withdrawn 1963; Specification for Hot-Mixed, Hot-Laid Asphaltic Concrete for Base and Surface Courses*

**D948** *Withdrawn 1954; Method of Test for Weight Loss of Plastics on Heating; Replaced by E95*

**D949** *Withdrawn 1949; Recommended Practice for Molding Test Specimens of Phenolic Materials*

**D950-03(2011)** Test Method for Impact Strength of Adhesive Bonds, **15.06**

**D951-99(2010)** Test Method for Water Resistance of Shipping Containers by Spray Method, **15.10**

**D952-10** Test Method for Bond or Cohesive Strength of Sheet Plastics and Electrical Insulating Materials, **08.01**

**D953-10** Test Method for Bearing Strength of Plastics, **08.01**

**D954** *Withdrawn 1962; Methods of Test for Apparent Density and Bulk Factor of Nonpouring Molding Powders*

**D955-08** Test Method of Measuring Shrinkage from Mold Dimensions of Thermoplastics, **08.01**

**D956** *Withdrawn 1992; Practice for Compression Molding Specimens of Amino Molding Compounds; Replaced by D5224*

- D957-12** Practice for Determining Surface Temperature of Molds for Plastics, **08.01**  
*D958 Withdrawn 1995; Practice for Determining Temperatures of Standard ASTM Molds for Test Specimens of Plastics; Replaced by D957*  
*D959 Withdrawn 1993; Method of Drop Test for Filled Bags; Replaced by D5276*  
*D960 Withdrawn 2007; Specification for Raw Castor Oil*  
*D961 Withdrawn 2007; Specification for Dehydrated Castor Oil*  
**D962-81(2008)<sup>1</sup>** Specification for Aluminum Powder and Paste Pigments for Paints, **06.03**  
*D963 Withdrawn 1993; Specification for Copper Phthalocyanine Blue Pigment*  
**D964-03(2008)<sup>1</sup>** Specification for Metallic Copper Powder for Use in Antifouling Paints, **06.03**  
*D965 Withdrawn 1961; Specification for Heavy Petroleum Spirits (Heavy Mineral Spirits)*  
*D966 Withdrawn 1982; Specification for Secondary Butyl Acetate (85 to 88% grade)*  
*D967 Withdrawn 1951; Tentative Method of Testing Drying Oils; Replaced by D555*  
**D968-05(2010)** Test Methods for Abrasion Resistance of Organic Coatings by Falling Abrasive, **06.01**  
*D969 Withdrawn 2010; Test Method for Laboratory Determination of Degree of Bleeding of Traffic Paint; Replaced by D868*  
*D970 Withdrawn 2003; Test Methods for Para Red and Toluidine Red Pigments*  
**D971-12** Test Method for Interfacial Tension of Oil Against Water by the Ring Method, **10.03**  
**D972-02(2008)** Test Method for Evaporation Loss of Lubricating Greases and Oils, **05.01**  
*D973 Withdrawn 1969; Test for Butadiene Content of Polymerization Grade Butadiene and Butadiene Concentrate*  
**D974-12** Test Method for Acid and Base Number by Color-Indicator Titration, **05.01**  
**D975-13** Specification for Diesel Fuel Oils, **05.01**  
**D976-06(2011)** Test Method for Calculated Cetane Index of Distillate Fuels, **05.01**  
**D977-13<sup>1</sup>** Specification for Emulsified Asphalt, **04.03**  
*D978 Withdrawn 1963; Specification for Asphaltic Mixtures for Sheet Asphalt Pavements*  
**D979/D979M-12** Practice for Sampling Bituminous Paving Mixtures, **04.03**  
*D980 Withdrawn 1965; Method of Sampling and Analysis of Coal for Volatile Matter Determination in Connection with Smoke Ordinance*  
*D981 Withdrawn 1974; Methods of Testing Analytical Filter Papers*  
**D982-05(2009)** Test Method for Organic Nitrogen in Paper and Paperboard, **10.01**  
*D983 Withdrawn 1981; Method of Test for Paraffin Wax Absorptiveness of Paper*  
*D984 Withdrawn 2010; Test Methods for Reducible Sulfur in Paper*  
*D985 Withdrawn 2010; Test Method for Brightness of Pulp, Paper, and Paperboard (Directional Reflectance at 457 nm)*  
*D986 Withdrawn 1966; Method of Preparation of Magnesium Oxide Standard for Spectral Reflectivity; Replaced by E259*  
*D987 Withdrawn 1969; Method of Test for Stretch of Paper and Paper Products Under Tension*  
*D988 Withdrawn 1958; Methods of Test for Water Vapor Permeability of Paper and Paperboard; Replaced by E96*  
*D989 Withdrawn 1967; Method of Test for Detection of Free Sulfur in Electrical Insulating Oils; Replaced by D1275*  
*D990 Withdrawn 1974; Recommended Practice for Interlaboratory Testing of Textile Materials; Replaced by D2904*  
**D991-89(2010)** Test Method for Rubber Property—Volume Resistivity Of Electrically Conductive and Antistatic Products, **09.01**  
*D992 Withdrawn 1984; Method of Test for Nitrate Ion in Water*  
*D993 Withdrawn 1987; Method of Test for Sulfate-Reducing Bacteria in Water and Water-Formed Deposits; Replaced by D4412*  
**D994/D994M-11** Specification for Preformed Expansion Joint Filler for Concrete (Bituminous Type), **04.03**  
*D995 Withdrawn 2009; Specification for Mixing Plants for Hot-Mixed, Hot-Laid Bituminous Paving Mixtures*  
**D996-10a** Terminology of Packaging and Distribution Environments, **15.10**  
*D997 Withdrawn 1993; Method for Drop Test for Loaded Cylindrical Containers; Replaced by D5276*  
*D998 Withdrawn 1999; Test Method for Penetration of Liquids into Submerged Loaded Shipping Containers*  
**D999-08** Test Methods for Vibration Testing of Shipping Containers, **15.10**  
**D1000-10** Test Methods for Pressure-Sensitive Adhesive-Coated Tapes Used for Electrical and Electronic Applications, **10.01**  
*D1001 Withdrawn 1961; Specification for Sieve Analysis of Granular Mineral Surfacing for Asphalt Roofing and Shingles*  
**D1002-10** Test Method for Apparent Shear Strength of Single-Lap-Joint Adhesively Bonded Metal Specimens by Tension Loading (Metal-to-Metal), **15.06**  
**D1003-13** Test Method for Haze and Luminous Transmittance of Transparent Plastics, **08.01**  
**D1004-13** Test Method for Tear Resistance (Graves Tear) of Plastic Film and Sheeting, **08.01**  
**D1005-95(2013)** Test Method for Measurement of Dry-Film Thickness of Organic Coatings Using Micrometers, **06.01**  
**D1006/D1006M-13** Practice for Conducting Exterior Exposure Tests of Paints on Wood, **06.01**
- D1007-11** Specification for sec-Butyl Alcohol, **06.04**  
*D1008 Withdrawn 1985; Methods of Test for Water Vapor Transmission of Shipping Containers*  
*D1009 Withdrawn 1972; Recommended Code for Designating Form of Material and Direction of Testing Plastics*  
*D1010 Withdrawn 1981; Methods of Testing Asphalt Emulsions for Use As Protective Coatings for Metal; Replaced by D2939*  
*D1011 Withdrawn 1977; Method of Test for Night Visibility of Traffic Paints*  
*D1012 Withdrawn 1975; Method of Test for Aniline Point and Mixed Aniline Point of Hydrocarbon Solvents; Replaced by D611*  
*D1013 Withdrawn 2007; Test Method for Determining Total Nitrogen in Resins and Plastics*  
**D1014-09** Practice for Conducting Exterior Exposure Tests of Paints and Coatings on Metal Substrates, **06.01**  
**D1015-05(2010)** Test Method for Freezing Points of High-Purity Hydrocarbons, **05.01**  
**D1016-05(2010)** Test Method for Purity of Hydrocarbons from Freezing Points, **05.01**  
*D1017 Withdrawn 1981; Test Method for Benzene and Toluene in 250°F and Lighter Petroleum Products by Ultraviolet Spectrophotometry*  
**D1018-11** Test Method for Hydrogen In Petroleum Fractions, **05.01**  
*D1019 Withdrawn 1986; Method of Test for Olefinic Plus Aromatic Hydrocarbons in Petroleum Distillates*  
*D1020 Withdrawn 1984; Method of Test for Alpha Acetylenes in Butadiene, Butadiene Concentrates, and Butane-Butene Mixtures (Silver Nitrate Method)*  
*D1021 Withdrawn 1983; Method of Test for Oxygen in Light Hydrocarbon Vapors*  
*D1022 Withdrawn 1984; Method of Test for Peroxide Content of Light Hydrocarbons*  
*D1023 Withdrawn 1984; Method of Test for Separation of Residue from Butadiene*  
*D1024 Withdrawn 1970; Method of Test for Butadiene Dimer and Styrene in Butadiene Concentrates*  
**D1025-10** Test Method for Nonvolatile Residue of Polymerization-Grade Butadiene, **05.01**  
*D1026 Withdrawn 1991; Test Method for Sodium in Lubricating Oils and Additives (Gravimetric Method)*  
*D1027 Withdrawn 1980; Methods for Creasing Paper for Permeability Tests*  
*D1028 Withdrawn 1982; Test Method for Ply Separation (Wet) of Solid and Corrugated Fiberboard; Replaced by TAPPI T 812*  
*D1029 Withdrawn 2001; Test Method for Peeling Resistance of Paper and Paperboard*  
**D1030** Withdrawn 2011; Test Method for Fiber Analysis of Paper and Paperboard, **15.09**  
*D1031 Withdrawn 1992; Specification for Creosoted End-Grain Wood Block Flooring for Interior Use*  
*D1032 Withdrawn 1993; Specification for Chromated Zinc Chloride*  
*D1033 Withdrawn 1933; Methods of Chemical Analysis of Chromated Zinc Chloride*  
*D1034 Withdrawn 2000; Specification for Fluor-Chrome-Arsenate-Phenol*  
*D1035 Withdrawn 2000; Test Methods for Chemical Analysis of Fluor-Chrome-Arsenate-Phenol*  
**D1036-99(2012)** Test Methods of Static Tests of Wood Poles, **04.10**  
**D1037-12** Test Methods for Evaluating Properties of Wood-Base Fiber and Particle Panel Materials, **04.10**  
**D1038-11** Terminology Relating to Veneer and Plywood, **04.10**  
**D1039-94(2010)** Test Methods for Glass-Bonded Mica Used as Electrical Insulation, **10.01**  
*D1040 Withdrawn 1981; Specification for Uninhibited Mineral Insulating Oil for Use in Transformers and in Oil Circuit Breakers*  
*D1041 Redesignated E104*  
**D1042-12** Test Method for Linear Dimensional Changes of Plastics Caused by Exposure to Heat and Moisture, **08.01**  
**D1043-10** Test Method for Stiffness Properties of Plastics as a Function of Temperature by Means of a Torsion Test, **08.01**  
**D1044-13** Test Method for Resistance of Transparent Plastics to Surface Abrasion, **08.01**  
**D1045-14** Test Methods for Sampling and Testing Plasticizers Used in Plastics, **08.01**  
*D1046 Withdrawn 1955; Recommended Practice for Transfer Molding of Specimens of Phenolic Materials*  
**D1047-11** Specification for Poly(Vinyl Chloride) Jacket for Wire and Cable, **10.01**  
**D1048-12** Specification for Rubber Insulating Blankets, **10.03**  
**D1049-98(2010)** Specification for Rubber Insulating Covers, **10.03**  
**D1050-05(2011)** Specification for Rubber Insulating Line Hose, **10.03**  
**D1051-08** Specification for Rubber Insulating Sleeves, **10.03**  
**D1052-09(2014)** Test Method for Measuring Rubber Deterioration—Cut Growth Using Ross Flexing Apparatus, **09.01**  
**D1053-92a(2012)** Test Methods for Rubber Property—Stiffening at Low Temperatures: Flexible Polymers and Coated Fabrics, **09.01**  
*D1054 Withdrawn 2010; Test Method for Rubber Property—Resilience Using a Goodyear-Healey Rebound Pendulum*  
*D1055 Withdrawn 2014; Specifications for Flexible Cellular Materials—Latex Foam*  
**D1056-14** Specification for Flexible Cellular Materials—Sponge or Expanded Rubber, **08.01**  
*D1057 Withdrawn 1973; Methods of Testing Single Kraft Yarn*  
*D1058 Withdrawn 1963; Method of Test for Stretch of Hosiery*

- D1059 *Withdrawn 2010; Test Method for Yarn Number Based on Short-Length Specimens*
- D1060-10 Practice for Core Sampling of Raw Wool in Packages for Determination of Percentage of Clean Wool Fiber Present, **07.01**
- D1061/D1061M-95(2009)<sup>1</sup> Specification for Asbestos Lap, **04.05**
- D1062-08 Test Method for Cleavage Strength of Metal-to-Metal Adhesive Bonds, **15.06**
- D1063 *Withdrawn 1991; Test Method for Ash in Rosin*
- D1064 *Withdrawn 2002; Test Methods for Iron in Rosin Tall Oil Fatty Acids and Other Related Products*
- D1065-96(2010) Test Method for Unsaponifiable Matter in Naval Stores, Including Rosin, Tall Oil, and Related Products, **06.03**
- D1066-11 Practice for Sampling Steam, **11.01**
- D1067-11 Test Methods for Acidity or Alkalinity of Water, **11.01**
- D1068-10 Test Methods for Iron in Water, **11.01**
- D1069 *Withdrawn 1974; Methods of Test for Particulate and Dissolved Matter in Waste Water*
- D1070-03(2010) Test Methods for Relative Density of Gaseous Fuels, **05.06**
- D1071-83(2008) Test Methods for Volumetric Measurement of Gaseous Fuel Samples, **05.06**
- D1072-06(2012) Test Method for Total Sulfur in Fuel Gases by Combustion and Barium Chloride Titration, **05.06**
- D1073-11 Specification for Fine Aggregate for Bituminous Paving Mixtures, **04.03**
- D1074-09 Test Method for Compressive Strength of Bituminous Mixtures, **04.03**
- D1075-11 Test Method for Effect of Water on Compressive Strength of Compacted Bituminous Mixtures, **04.03**
- D1076-10 Specification for Rubber—Concentrated, Ammonia Preserved, Creamed, and Centrifuged Natural Latex, **09.01**
- D1077 *Withdrawn 1959; Method of Test for Curing Characteristics of Vulcanizable Rubber Nixture During Heating by the Shearing Disk Viscometer; Replaced by D1646*
- D1078-11 Test Method for Distillation Range of Volatile Organic Liquids, **06.04**
- D1079-13<sup>1</sup> Terminology Relating to Roofing and Waterproofing, **04.04**
- D1080 *Withdrawn 1978; Specification for Saturable Papers for Laminated Electrical Insulation*
- D1081 *Withdrawn 1984; Method of Test for Evaluating Rubber Property Sealing Pressure*
- D1082-00(2011) Test Method for Dissipation Factor and Permittivity (Dielectric Constant) of Mica, **10.01**
- D1083 *Withdrawn 2001; Test Methods for Mechanical Handling of Unitized Loads and Large Shipping Cases and Crates*
- D1084-08 Test Methods for Viscosity of Adhesives, **15.06**
- D1085 *Withdrawn 1996; Practice for Gaging Petroleum and Petroleum Products (Available as Separate Reprint Only)*
- D1086 *Withdrawn 1995; Method for Measuring the Temperature of Petroleum and Petroleum Products*
- D1087 *Withdrawn 1965; Recommended Practice for Volume Calculations and Corrections in the Measurement of Petroleum and Petroleum Products*
- D1088 *Withdrawn 1984; Method of Test for Boiling Point Range of Polymerization-Grade Butadiene*
- D1089 *Withdrawn 1984; Method of Test for Carbonyl Content of Butadiene; Replaced by D4423*
- D1090 *Withdrawn 1952; Factors and Tables for Volume Correction and Specific Gravity Conversion of Liquefied Petroleum Gases; Replaced by D1250*
- D1091-11 Test Methods for Phosphorus in Lubricating Oils and Additives, **05.01**
- D1092-12 Test Method for Measuring Apparent Viscosity of Lubricating Greases, **05.01**
- D1093-11 Test Method for Acidity of Hydrocarbon Liquids and Their Distillation Residues, **05.01**
- D1094-07(2013) Test Method for Water Reaction of Aviation Fuels, **05.01**
- D1095 *Withdrawn 1961; Method of Test for Analysis of 60 Octane Number Isooctane-Normal Heptane ASTM Knock Test Reference Fuel Blends by Infrared Spectrophotometry*
- D1096 *Withdrawn 1984; Method of Test for 1,3-Butadiene in C-4 and Lighter Hydrocarbon Mixtures by Ultraviolet Spectrophotometry*
- D1097 *Withdrawn 1965; Method of Test for Bitumen Content of Paving Mixtures by Centrifuge; Replaced by D2172*
- D1098 *Withdrawn 1986; Method of Static Bending Test for Corrugated Paperboard*
- D1099 *Withdrawn 1981; Method of Test for Water-Soluble Sulfates in Paper and Paperboard*
- D1100 *Redesignated E832*
- D1101-97a(2013) Test Methods for Integrity of Adhesive Joints in Structural Laminated Wood Products for Exterior Use, **15.06**
- D1102-84(2013) Test Method for Ash in Wood, **04.10**
- D1103 *Withdrawn 1986; Method of Test for Alpha-Cellulose in Wood*
- D1104 *Withdrawn 1986; Method of Test for Holocellulose in Wood*
- D1105-96(2013) Test Method for Preparation of Extractive-Free Wood, **04.10**
- D1106-96(2013) Test Method for Acid-Insoluble Lignin in Wood, **04.10**
- D1107-96(2013) Test Method for Ethanol-Toluene Solubility of Wood, **04.10**
- D1108-96(2013) Test Method for Dichloromethane Solubles in Wood, **04.10**
- D1109-84(2013) Test Method for 1 % Sodium Hydroxide Solubility of Wood, **04.10**
- D1110-84(2013) Test Methods for Water Solubility of Wood, **04.10**
- D1111 *Withdrawn 1976; Specification for Chip or Granular Soap for Low-Temperature Washing (Low and Medium Titer)*
- D1112 *Withdrawn 1976; Specification for Solid Soap for Low-Temperature Washing (Low and Medium Titer)*
- D1113-13 Test Method for Vegetable Matter and Other Alkali-Insoluble Impurities in Scoured Wool, **07.01**
- D1114 *Withdrawn 1966; Specification for Mechanical Sheet Felt; Replaced by D2475*
- D1115 *Withdrawn 1963; Method of Test for Snag Resistance of Hosiery*
- D1116 *Withdrawn 1981; Method of Test for Resistance of Pile Floor Coverings to Attack by Black Carpet Beetle Larvae*
- D1117 *Withdrawn 2009; Guide for Evaluating Nonwoven Fabrics*
- D1118/D1118M-95(2009)<sup>1</sup> Test Method for Magnetic Rating of Asbestos Fiber and Asbestos Textiles, **04.05**
- D1119-05(2009) Test Method for Percent Ash Content of Engine Coolants, **15.05**
- D1120-11<sup>1</sup> Test Method for Boiling Point of Engine Coolants, **15.05**
- D1121-11 Test Method for Reserve Alkalinity of Engine Coolants and Antirusts, **15.05**
- D1122-13 Test Method for Density or Relative Density of Engine Coolant Concentrates and Engine Coolants By The Hydrometer, **15.05**
- D1123-99(2009) Test Methods for Water in Engine Coolant Concentrate by the Karl Fischer Reagent Method, **15.05**
- D1124 *Withdrawn 1993; Specification for Hydrometer-Thermometer Field Tester For Engine Coolants*
- D1125-14 Test Methods for Electrical Conductivity and Resistivity of Water, **11.01**
- D1126-12 Test Method for Hardness in Water, **11.01**
- D1127 *Withdrawn 1962; Methods of Test for Sodium and Potassium in Industrial Water*
- D1128 *Withdrawn 1982; Method for Identification of Types of Microorganisms and Microscopic Matter in Water and Waste Water*
- D1129-13 Terminology Relating to Water, **11.01**
- D1130 *Withdrawn 1977; Recommended Practice for Injection Molding of Specimens of Thermoplastic Materials*
- D1131 *Withdrawn 2003; Test Methods of Testing Rosin Oils*
- D1132 *Withdrawn 1967; Method of Test for Heptane Number of Hydrocarbon Solvents*
- D1133-13 Test Method for Kauri-Butanol Value of Hydrocarbon Solvents, **06.04**
- D1134 *Withdrawn 1961; Method of Test for Nitrocellulose Diluting Power of Hydrocarbon Solvents; Combined with D 1720*
- D1135-86(2009) Test Methods for Chemical Analysis of Blue Pigments, **06.03**
- D1136 *Withdrawn 1980; Method for Analysis of Natural Gases by the Volumetric-Chemical Method*
- D1137 *Withdrawn 1982; Method for Analysis of Natural Gases and Related Types of Gaseous Mixtures by the Mass Spectrometer*
- D1138 *Withdrawn 1981; Method of Test for Resistance to Plastic Flow of Fine-Aggregate Bituminous Mixtures by Means of the Hubbard-Field Apparatus*
- D1139/D1139M-09 Specification for Aggregate for Single or Multiple Bituminous Surface Treatments, **04.03**
- D1140-00(2006) Test Methods for Amount of Material in Soils Finer than No. 200 (75- $\mu$ m) Sieve, **04.08**
- D1141-98(2013) Practice for the Preparation of Substitute Ocean Water, **11.02**
- D1142-95(2012) Test Method for Water Vapor Content of Gaseous Fuels by, **05.06**
- D1143 *Withdrawn 2006; Test Method for Piles Under Static Axial Compressive Load*
- D1143/D1143M-07(2013) Test Methods for Deep Foundations Under Static Axial Compressive Load, **04.08**
- D1144-99(2011) Practice for Determining Strength Development of Adhesive Bonds, **15.06**
- D1145 *Withdrawn 1987; Test Method for Sampling Natural Gas*
- D1146-00(2013) Test Method for Blocking Point of Potentially Adhesive Layers, **15.06**
- D1147 *Redesignated F36*
- D1148-13 Test Method for Rubber Deterioration—Discoloration from Ultraviolet (UV) or UV/Visible Radiation and Heat Exposure of Light-Colored Surfaces, **09.01**
- D1149-07(2012) Test Methods for Rubber Deterioration—Cracking in an Ozone Controlled Environment, **09.01**
- D1150 *Withdrawn 1992; Single and Multi-Panel Forms for Recording Results of Exposure Tests of Paints*
- D1151-00(2013) Practice for Effect of Moisture and Temperature on Adhesive Bonds, **15.06**
- D1152-06(2012) Specification for Methanol (Methyl Alcohol), **06.04**
- D1153-12 Specification for Methyl Isobutyl Ketone, **06.04**
- D1154 *Withdrawn 1957; Method of Test for Purity of Acetone and Methyl Ethyl Ketone*
- D1155-10 Test Method for Roundness of Glass Spheres, **06.02**
- D1156 *Withdrawn 1984; Method of Test for Total Chlorine in Poly(Vinyl Chloride) Polymers and Copolymers Used for Surface Coatings*
- D1157-91(2009) Test Method for Total Inhibitor Content (TBC) of Light Hydrocarbons, **05.01**
- D1158 *Withdrawn 1984; Method of Test for Bromine Number of Petroleum Distillates by Color-Indicator Titration; Replaced by D1159*
- D1159-07(2012) Test Method for Bromine Numbers of Petroleum Distillates and Commercial Aliphatic Olefins by Electrometric Titration, **05.01**
- D1160-13 Test Method for Distillation of Petroleum Products at Reduced Pressure, **05.01**

- D1161 *Withdrawn 1981; Method of Test for Total Chloride Content of Paper and Paper Products*
- D1162 *Withdrawn 1974; Method of Test for Water-Soluble Matter in Paper*
- D1163 *Withdrawn 1986; Method of Test for Lint of Paper Towels*
- D1164 *Withdrawn 1985; Test Method for Ring Crush of Paperboard; Replaced by TAPPI T 818*
- D1165-13** Nomenclature of Commercial Hardwoods and Softwoods, **04.10**
- D1166-84(2013)** Test Method for Methoxyl Groups in Wood and Related Materials, **04.10**
- D1167 *Withdrawn 1972; Methods of Testing Asphalt-Base Emulsions for Use As Protective Coatings for Built-Up Roofs; Replaced by D2939*
- D1168 *Withdrawn 2014; Test Methods for Hydrocarbon Waxes Used for Electrical Insulation*
- D1169-11** Test Method for Specific Resistance (Resistivity) of Electrical Insulating Liquids, **10.03**
- D1170 *Withdrawn 1968; Specification for Nonmetallic Gasket Materials for General Automotive and Aeronautical Purposes; Combined with F 104*
- D1171-99(2007)** Test Method for Rubber Deterioration—Surface Ozone Cracking Outdoors or Chamber (Triangular Specimens), **09.01**
- D1172-95(2007)** Guide for pH of Aqueous Solutions of Soaps and Detergents, **15.04**
- D1173-07** Test Method for Foaming Properties of Surface-Active Agents, **15.04**
- D1174 *Withdrawn 1983; Method of Test for Effect of Bacterial Contamination on Permanence of Adhesive Preparations and Adhesives Bonds*
- D1175 *Withdrawn 1982; Method of Test for Abrasion Resistance of Textile Fabrics (Oscillatory Cylinder and Uniform Abrasion); Replaced by D4157, D4158*
- D1176-14** Practice for Sampling and Preparing Aqueous Solutions of Engine Coolants or Antirusts for Testing Purposes, **15.05**
- D1177-12** Test Method for Freezing Point of Aqueous Engine Coolants, **15.05**
- D1178 *Withdrawn 1971; Method of Test for Chloroform-Extractable Matter in Industrial Water and Industrial Waste Water*
- D1179-10** Test Methods for Fluoride Ion in Water, **11.01**
- D1180 *Withdrawn 1980; Method of Test for Warpage of Sheet Plastics*
- D1181 *Withdrawn 1979; Method of Test for Warpage of Sheet Plastics*
- D1182 *Withdrawn 1962; Method of Test for Apparent Density and Bulk Factor of Granular Thermoplastic Molding Powder*
- D1183-03(2011)** Practices for Resistance of Adhesives to Cyclic Laboratory Aging Conditions, **15.06**
- D1184-98(2012)** Test Method for Flexural Strength of Adhesive Bonded Laminated Assemblies, **15.06**
- D1185-98a(2009)** Test Methods for Pallets and Related Structures Employed in Materials Handling and Shipping, **15.10**
- D1186 *Withdrawn 2006; Test Methods for Nondestructive Measurement of Dry Film Thickness of Nonmagnetic Coatings Applied to a Ferrous Base; Replaced by D7091*
- D1187/D1187M-97(2011)<sup>1</sup>** Specification for Asphalt-Base Emulsions for Use as Protective Coatings for Metal, **04.04**
- D1188-07<sup>1</sup>** Test Method for Bulk Specific Gravity and Density of Compacted Bituminous Mixtures Using Coated Samples, **04.03**
- D1189 *Withdrawn 1980; Method of Test for Vacuum Distillation of Liquid and Semi-Solid Asphaltic Materials to Obtain a Residue of Specified Penetration*
- D1190 *Withdrawn 2002; Specification for Concrete Joint Sealer, Hot-Poured Elastic Type*
- D1191 *Withdrawn 1996; Test Methods for Concrete Joint Sealers; Replaced by D5329*
- D1192 *Withdrawn 2003; Guide for Equipment for Sampling Water and Steam in Closed Conduits; Replaced by D1066, D3370*
- D1193-06(2011)** Specification for Reagent Water, **11.01**
- D1194 *Withdrawn 2002; Test Method for Bearing Capacity of Soil for Static Loads at Shallow Depths*
- D1195/D1195M-09** Test Method for Repetitive Static Plate Load Tests of Soils and Flexible Pavement Components, for Use in Evaluation and Design of Airport and Highway Pavements, **04.03**
- D1196/D1196M-12** Test Method for Nonrepetitive Static Plate Load Tests of Soils and Flexible Pavement Components, for Use in Evaluation and Design of Airport and Highway Pavements, **04.03**
- D1197 *Redesignated E197*
- D1198 *Withdrawn 2007; Test Method for Solvent Tolerance of Amine Resins*
- D1199-86(2008)** Specification for Calcium Carbonate Pigments, **06.03**
- D1200-10** Test Method for Viscosity by Ford Viscosity Cup, **06.01**
- D1201-13** Specification for Thermosetting Polyester Molding Compounds, **08.01**
- D1202 *Withdrawn 1991; Specification for Plasticized Cellulose Acetate Sheet and Film for Primary Insulation*
- D1203-10** Test Methods for Volatile Loss From Plastics Using Activated Carbon Methods, **08.01**
- D1204-14** Test Method for Linear Dimensional Changes of Nonrigid Thermoplastic Sheet or Film at Elevated Temperature, **08.01**
- D1205 *Withdrawn 1974; Methods of Testing Adhesives for Brake Lining and Other Friction Materials*
- D1206 *Withdrawn 1981; Method of Test for Resistance to Aging of Vulcanized Rubber by Measurement of Creep*
- D1207 *Withdrawn 1972; Recommended Practice for Classifying Elastomeric Compounds for Resilient Automotive Mountings*
- D1208-96(2012)** Test Methods for Common Properties of Certain Pigments, **06.03**
- D1209-05(2011)** Test Method for Color of Clear Liquids (Platinum-Cobalt Scale), **06.04**
- D1210-05(2010)** Test Method for Fineness of Dispersion of Pigment-Vehicle Systems by Hegman-Type Gage, **06.01**
- D1211 *Withdrawn 2006; Test Method for Temperature-Change Resistance of Clear Nitrocellulose Lacquer Films Applied to Wood*
- D1212-91(2013)** Test Methods for Measurement of Wet Film Thickness of Organic Coatings, **06.01**
- D1213 *Withdrawn 1985; Method of Test for Crushing Resistance of Glass Spheres*
- D1214-10** Test Method for Sieve Analysis of Glass Spheres, **06.02**
- D1215 *Withdrawn 1980; Specification for Farm Tractor Fuels*
- D1216 *Withdrawn 1976; Method of Analysis of Calcium and Barium Petroleum Sulfonates*
- D1217-12** Test Method for Density and Relative Density (Specific Gravity) of Liquids by Bingham Pycnometer, **05.01**
- D1218-12** Test Method for Refractive Index and Refractive Dispersion of Hydrocarbon Liquids, **05.01**
- D1219 *Withdrawn 1976; Method of Test for Mercaptan Sulfur in Aviation Turbine Fuels (Color-Indicator Method); Replaced by D3227*
- D1220 *Withdrawn 1996; Practice for Measurement and Calibration of Upright Cylindrical Tanks*
- D1221 *Withdrawn 1975; Method of Test for Pinholes in Glassine and Other Greaseproof Papers*
- D1222 *Withdrawn 1962; Method of Test for Contrast Glass of Paper at 57.5 Deg*
- D1223 *Withdrawn 2010; Test Method for Specular Gloss of Paper and Paperboard at 75°*
- D1224 *Withdrawn 2010; Test Methods for Zinc and Cadmium in Paper*
- D1225 *Withdrawn 1985; Test Method for Flat Crush of Corrugated Paperboard; Replaced by TAPPI T 808*
- D1226 *Withdrawn 1983; Specification for Asphalt Insulating Siding Surfaced with Mineral Granules*
- D1227-13** Specification for Emulsified Asphalt Used as a Protective Coating for Roofing, **04.04**
- D1228 *Withdrawn 1983; Methods of Testing Asphalt Insulating Siding Surfaced with Mineral Granules*
- D1229-03(2008)** Test Method for Rubber Property—Compression Set at Low Temperatures, **09.01**
- D1230-10** Test Method for Flammability of Apparel Textiles, **07.01**
- D1231 *Withdrawn 1962; Method of Test for Dimensional Change of Knit Cotton Fabrics*
- D1232 *Withdrawn 1962; Method of Test for Dimensional Change of Knit Rayon Fabrics*
- D1233 *Withdrawn 2000; Specification for Twine Made for Bast and Leaf Fibers*
- D1234-13** Test Method of Sampling and Testing Staple Length of Grease Wool, **07.01**
- D1235 *Withdrawn 1963; Tolerances for Filament Acetate Yarns; Replaced by D2497*
- D1236 *Withdrawn 1963; Tolerances for Filament Nylon Yarns; Replaced by D2497*
- D1237 *Withdrawn 1963; Tolerances for Filament Rayon Yarns; Replaced by D2497*
- D1238-13** Test Method for Melt Flow Rates of Thermoplastics by Extrusion Plastometer, **08.01**
- D1239-07** Test Method for Resistance of Plastic Films to Extraction by Chemicals, **08.01**
- D1240-12** Test Methods for Rosin Acids Content of Pine Chemicals, Including Rosin, Tall Oil, and Related Products, **06.03**
- D1241-07** Specification for Materials for Soil-Aggregate Subbase, Base, and Surface Courses, **04.08**
- D1242 *Withdrawn 2003; Test Methods for Resistance of Plastic Materials to Abrasion*
- D1243-95(2008)** Test Method for Dilute Solution Viscosity of Vinyl Chloride Polymers, **08.01**
- D1244-98(2011)** Practice for Designation of Yarn Construction, **07.01**
- D1245-11** Practice for Examination of Water-Formed Deposits by Chemical Microscopy, **11.02**
- D1246-10** Test Method for Bromide Ion in Water, **11.01**
- D1247 *Withdrawn 1987; Method of Sampling Manufactured Gas*
- D1248-12** Specification for Polyethylene Plastics Extrusion Materials for Wire and Cable, **08.01**
- D1249 *Withdrawn 2007; Specification for Octyl Ortho-Phthalate Ester Plasticizers*
- D1250-08(2013)** Guide for Use of the Petroleum Measurement Tables, **05.01**
- D1251 *Withdrawn 1999; Test Method for Water Vapor Permeability of Packages by Cycle Method*
- D1252-06(2012)<sup>1</sup>** Test Methods for Chemical Oxygen Demand (Dichromate Oxygen Demand) of Water, **11.02**
- D1253-14** Test Method for Residual Chlorine in Water, **11.01**
- D1254 *Withdrawn 1981; Method of Test for Nitrite Ion in Water*
- D1255 *Withdrawn 1968; Methods of Test for Sulfides in Industrial Water and Industrial Waste Water*
- D1256 *Withdrawn 1967; Scheme for Analysis of Industrial Water and Industrial Waste Water*
- D1257-07(2012)** Specification for High-Gravity Glycerin, **06.04**
- D1258 *Withdrawn 2011; Test Methods for High-Gravity Glycerin*
- D1259-06(2012)** Test Methods for Nonvolatile Content of Resin Solutions, **06.01**
- D1260 *Withdrawn 1966; Method of Test for Color Difference Using the Hunter Multipurpose Reflectometer; Combined with D 2244*
- D1261 *Withdrawn 1984; Method of Test for Effect of Grease on Copper*

- D1262 *Withdrawn 1991; Test Method for Lead in New and Used Greases*
- D1263 *Withdrawn 2010; Test Method for Leakage Tendencies of Automotive Wheel Bearing Greases*
- D1264-12** Test Method for Determining the Water Washout Characteristics of Lubricating Greases, **05.01**
- D1265-11** Practice for Sampling Liquefied Petroleum (LP) Gases, Manual Method, **05.01**
- D1266-13** Test Method for Sulfur in Petroleum Products (Lamp Method), **05.01**
- D1267-12** Test Method for Gage Vapor Pressure of Liquefied Petroleum (LP) Gases (LP-Gas Method), **05.01**
- D1268 *Withdrawn 1975; Method of Test for Unsaturated Light Hydrocarbons (Silver-Mercuric Nitrate Method)*
- D1269 *Withdrawn 1975; Method of Test for Lead Antiknock Compounds in Gasoline (Polarographic Method)*
- D1270 *Withdrawn 1959; Method of Test for Dimensional Changes of Paper with Changes in Moisture Conditions*
- D1271 *Withdrawn 1970; Specification for Copperized Chromated Zinc Chloride*
- D1272 *Withdrawn 2006; Specification for Pentachlorophenol*
- D1273 *Withdrawn 1970; Methods for Chemical Analysis of Copperized Chromated Zinc Chloride*
- D1274 *Withdrawn 2006; Test Methods for Chemical Analysis of Pentachlorophenol*
- D1275-06** Test Method for Corrosive Sulfur in Electrical Insulating Oils, **10.03**
- D1276 *Withdrawn 1985; Method of Test for Water Vapor Transmission of Shipping Containers by Cycle Method*
- D1277 *Withdrawn 1972; Specification for Nonrigid Thermoplastic Compounds for Automotive and Aeronautical Applications*
- D1278-91a(2011)** Test Methods for Rubber from Natural Sources - Chemical Analysis, **09.01**
- D1279 *Withdrawn 1999; Test Method for Buffering Action of Metal Cleaners*
- D1280-00(2007)** Guide for Total Immersion Corrosion Test for Soak Tank Metal Cleaners, **15.04**
- D1281 *Withdrawn 1989; Test Method for Rinsing Properties of Metal Cleaners*
- D1282-05(2009)** Test Method for Resistance to Airflow as an Indication of Average Fiber Diameter of Wool Top, Card Sliver, and Scoured Wool, **07.01**
- D1283-05(2013)** Test Method for Alkali-Solubility of Wools, **07.01**
- D1284 *Withdrawn 1991; Test Methods for Relaxation and Consolidation Dimensional Changes of Stabilized Knit Wool Fabrics*
- D1285 *Withdrawn 1967; Tolerances for Yarns Containing Wool; Replaced by D2644, D2645*
- D1286 *Withdrawn 1983; Method of Test for Effect of Mold Contamination on Permanence of Adhesives Preparations and Adhesives Bonds; Replaced by D4300*
- D1287-11** Test Method for pH of Engine Coolants and Antirusts, **15.05**
- D1288 *Withdrawn 1985; Method of Test for Total Ash and Silica in Water-Emulsion Polishes*
- D1289 *Withdrawn 1969; Method of Test for Nonvolatile Matter (Total Solids) in Water-Emulsion Waxes; Replaced by D2834*
- D1290-95(2008)** Test Method for Sediment in Water-Emulsion Polishes by Centrifuge, **15.04**
- D1291-06(2011)** Practice for Estimation of Chlorine Demand of Water, **11.02**
- D1292-10** Test Method for Odor in Water, **11.01**
- D1293-12** Test Methods for pH of Water, **11.01**
- D1294-05(2013)** Test Method for Tensile Strength and Breaking Tenacity of Wool Fiber Bundles 1-in. (25.4-mm) Gage Length, **07.01**
- D1295 *Withdrawn 1978; Method of Test for Wrinkle Recovery of Textile Fabrics Using the Vertical Strip Apparatus*
- D1296-01(2012)** Test Method for Odor of Volatile Solvents and Diluents, **06.04**
- D1297 *Withdrawn 1967; Method of Test for No-Dirt-Retention Time of Traffic Paint*
- D1298-12b** Test Method for Density, Relative Density, or API Gravity of Crude Petroleum and Liquid Petroleum Products by Hydrometer Method, **05.01**
- D1299 *Withdrawn 1992; Test Method for Shrinkage of Molded and Laminated Thermosetting Plastics at Elevated Temperature*
- D1300 *Withdrawn 1963; Specification and Methods of Test for Laminated Thermosetting Decorative Sheets*
- D1301-91(2008)** Test Methods for Chemical Analysis of White Lead Pigments, **06.03**
- D1302 *Withdrawn 1968; Method for Analysis of Carbureted Water Gas by the Mass Spectrometer*
- D1303 *Withdrawn 1986; Method of Test for Total Chlorine in Vinyl Chloride Polymers and Copolymers*
- D1304-99(2012)** Test Methods for Adhesives Relative to Their Use as Electrical Insulation, **15.06**
- D1305-99(2009)** Specification for Electrical Insulating Paper and Paperboard—Sulfate (Kraft) Layer Type, **10.01**
- D1306 *Withdrawn 2004; Test Method for Phthalic Anhydride Content of Alkyd Resins and Esters Containing Other Dibasic Acids (Gravimetric)*
- D1307 *Withdrawn 1982; Method of Test for Phthalic Anhydride Content of Alkyd Resins and Esters Containing Other Dibasic Acids (Spectrophotometric)*
- D1308-02(2013)** Test Method for Effect of Household Chemicals on Clear and Pigmented Organic Finishes, **06.02**
- D1309-93(2010)** Test Method for Settling Properties of Traffic Paints During Storage, **06.02**
- D1310-01(2007)** Test Method for Flash Point and Fire Point of Liquids by Tag Open-Cup Apparatus, **06.01**
- D1311 *Withdrawn 1968; Method of Test for Viscosity Reduction Power of Hydrocarbon Solvents*
- D1312 *Withdrawn 2007; Test Methods for Apparent Free Phenols in Synthetic Phenolic Resins or Solutions Used for Coating Purposes*
- D1313 *Withdrawn 1988; Method of Test for Sludge Formation in Mineral Transformer Oil by High-Pressure Oxidation Bomb*
- D1314 *Withdrawn 1965; Method of Test for Sludge Formation in Mineral Transformer Oil by Sludge Accumulation; Replaced by D2440*
- D1315 *Withdrawn 1981; Method of Test for Water in Insulating Oils by Extraction*
- D1316-06(2011)** Test Method for Fineness of Grind of Printing Inks By the NPIRI Grindometer, **06.02**
- D1317 *Withdrawn 1994; Test Method for Chlorine in New and Used Lubricants (Sodium Alcoholate Method)*
- D1318-00(2011)** Test Method for Sodium in Residual Fuel Oil (Flame Photometric Method), **05.01**
- D1319-13** Test Method for Hydrocarbon Types in Liquid Petroleum Products by Fluorescent Indicator Adsorption, **05.01**
- D1320 *Withdrawn 1991; Test Method for Tensile Strength of Paraffin Wax*
- D1321-10** Test Method for Needle Penetration of Petroleum Waxes, **05.01**
- D1322-12<sup>-1</sup>** Test Method for Smoke Point of Kerosine and Aviation Turbine Fuel, **05.01**
- D1323 *Withdrawn 1980; Methods of Test for Mercaptan Sulfur in Aviation Turbine Fuels; Replaced by D3227*
- D1324 *Withdrawn 2000; Specification for Modified Wood*
- D1325 *Withdrawn 2006; Specification for Ammoniacal Copper Arsenate and Ammoniacal Copper Zinc Arsenate*
- D1326 *Withdrawn 2006; Test Method for Chemical Analysis of Ammoniacal Copper Arsenate and Ammoniacal Copper Zinc Arsenate*
- D1327/D1327M-04(2012)<sup>-1</sup>** Specification for Bitumen-Saturated Woven Burlap Fabrics Used in Roofing and Waterproofing, **04.04**
- D1328 *Withdrawn 1992; Test Method for Staining Properties of Asphalt; Replaced by D2746*
- D1329-08** Test Method for Evaluating Rubber Property—Retraction at Lower Temperatures (TR Test), **09.01**
- D1330-04(2010)** Specification for Rubber Sheet Gaskets, **09.02**
- D1331-11** Test Methods for Surface and Interfacial Tension of Solutions of Surface-Active Agents, **06.01**
- D1332 *Withdrawn 1972; Methods of Test for Build-Up and Spread of Glass Yarn As Wrap (Serving) or Braid Over Electrical Conductors; Replaced by D668*
- D1333 *Withdrawn 1960; Methods of Testing Elastic Fabrics; Replaced by D1775*
- D1334-05(2009)** Test Method for Wool Content of Raw Wool—Commercial Scale, **07.01**
- D1335-12** Test Method for Tuft Bind of Pile Yarn Floor Coverings, **07.01**
- D1336-07(2011)** Test Method for Distortion of Yarn in Woven Fabrics, **07.01**
- D1337-10** Practice for Storage Life of Adhesives by Viscosity and Bond Strength, **15.06**
- D1338-99(2011)** Practice for Working Life of Liquid or Paste Adhesives by Consistency and Bond Strength, **15.06**
- D1339 *Withdrawn 1990; Test Methods for Sulfite Ion in Water*
- D1340 *Withdrawn 1971; Method of Test for Oily Matter in Industrial Waste Water*
- D1341 *Withdrawn 1974; Method for Determination of Thickness of Internal Deposits on Tubular Heat Exchange Surfaces*
- D1342 *Withdrawn 2007; Test Method for Paraffin-Type Hydrocarbons in Carnauba Wax*
- D1343-95(2011)** Test Method for Viscosity of Cellulose Derivatives by Ball-Drop Method, **06.03**
- D1344 *Withdrawn 1987; Methods of Testing Cross-Lap Specimens for Tensile Properties of Adhesives*
- D1345 *Withdrawn 1985; Method of Test for Evaluating Acute Toxicity of Water to Fresh-Water Fishes*
- D1346 *Withdrawn 1986; Methods of Testing Electrical Insulating Varnishes for 180°C and Above; Replaced by D115*
- D1347 *Withdrawn 2003; Test Methods for Methylcellulose*
- D1348-94(2008)** Test Methods for Moisture in Cellulose, **06.03**
- D1349-09** Practice for Rubber—Standard Temperatures for Testing, **09.01**
- D1350 *Withdrawn 1965; Specification for Construction of Rubber Insulated Wire and Cable*
- D1351-08** Specification for Thermoplastic Polyethylene Insulation for Electrical Wire and Cable, **10.01**
- D1352 *Withdrawn 2006; Specification for Ozone-Resisting Butyl Rubber Insulation for Wire and Cable*
- D1353-13** Test Method for Nonvolatile Matter in Volatile Solvents for Use in Paint, Varnish, Lacquer, and Related Products, **06.04**
- D1354 *Withdrawn 1979; Method of Test for Concentration of Odorous Vapors (Adsorption Method)*
- D1355 *Withdrawn 1980; Method of Continuous Analysis and Automatic Recording of the Sulfur Dioxide Content of the Atmosphere*
- D1356-14a** Terminology Relating to Sampling and Analysis of Atmospheres, **11.07**
- D1357-95(2011)** Practice for Planning the Sampling of the Ambient Atmosphere, **11.07**
- D1358 *Withdrawn 2003; Test Method for Spectrophotometric Diene Value of Dehydrated Castor Oil and Its Derivatives*
- D1359 *Withdrawn 1967; Method of Test for No-Smear Time of Traffic Paint*
- D1360-98(2011)** Test Method for Fire Retardancy of Paints (Cabinet Method), **06.01**
- D1361 *Withdrawn 1977; Method of Test for Wire Retardancy of Points (Stick and Wick Method)*

- D1362 *Withdrawn 1974; Method of Test for Alcohol Content of Ketones; Replaced by D2804*
- D1363-06(2011)** Test Method for Permanganate Time of Acetone and Methanol, **06.04**
- D1364-02(2012)** Test Method for Water in Volatile Solvents (Karl Fischer Reagent Titration Method), **06.04**
- D1365 *Withdrawn 1966; Method of Test for Color Difference Using Color Difference Meters of the Hunterlab or Gardner Types; Combined with D 2244*
- D1366-86(2012)** Practice for Reporting Particle Size Characteristics of Pigments, **06.03**
- D1367 *Withdrawn 2006; Test Method for Lubricating Qualities of Graphites*
- D1368 *Withdrawn 1994; Test Method for Trace Concentrations of Lead in Primary Reference Fuels*
- D1369-84(2012)** Practice for Quantities of Materials for Bituminous Surface Treatments, **04.03**
- D1370/D1370M-12** Test Method for Contact Compatibility Between Asphaltic Materials (Oliensis Test), **04.04**
- D1371 *Withdrawn 1983; Recommended Practice for Cleaning Plastic Specimens for Industrial Resistance, Surface Resistance, and Volume Resistivity Testing*
- D1372 *Withdrawn 1980; Methods of Testing Package Cushioning Materials*
- D1373 *Withdrawn 1987; Specification for Medium-Voltage Rubber Insulating Tape*
- D1374 *Withdrawn 2000; Test Method of Aerated Total Immersion Corrosion Test for Metal Cleaners*
- D1375 *Withdrawn 1977; Tests for Pilling Resistance and Other Related Surface Changes of Textile Fabrics; Replaced by D3511, D3512*
- D1376 *Withdrawn 1980; Methods of Testing Warp Knit Fabrics; Replaced by D3887*
- D1377 *Withdrawn 1960; Methods of Testing Wide Elastic Fabrics; Replaced by D1775*
- D1378 *Withdrawn 1957; Methods of Test for Absorbency Time and Absorptive Capacity of Nonwoven Fabrics; Combined with D 1117*
- D1379 *Withdrawn 1976; Abrasion Resistance of Textile Yarns*
- D1380 *Withdrawn 1967; Methods of Testing Spun and Filament Yarns Made Wholly or in Part of Man-Made Organic Base Fibers; Replaced by D1422, D1423, D1907, D2256, D2257, D2494*
- D1381 *Withdrawn 1981; Specification for Fineness of Mohair Top and Assignment of Grade; Replaced by D3992*
- D1382 *Withdrawn 1991; Test Method for Susceptibility of Dry Adhesive Films to Attack by Roaches*
- D1383 *Withdrawn 1991; Test Method for Susceptibility of Dry Adhesive Films to Attack by Laboratory Rats*
- D1384-05(2012)** Test Method for Corrosion Test for Engine Coolants in Glassware, **15.05**
- D1385-07(2013)<sup>1</sup>** Test Method for Hydrazine in Water, **11.01**
- D1386-10** Test Method for Acid Number (Empirical) of Synthetic and Natural Waxes, **15.04**
- D1387-89(2012)** Test Method for Saponification Number (Empirical) of Synthetic and Natural Waxes, **15.04**
- D1388-14** Test Method for Stiffness of Fabrics, **07.01**
- D1389 *Withdrawn 2013; Test Method for Proof-Voltage Testing of Thin Solid Electrical Insulating Materials*
- D1390 *Withdrawn 1989; Test Method for Rubber Property—Stress Relaxation in Compression*
- D1391 *Withdrawn 1987; Method for Measurement of Odor in Atmospheres (Dilution Method)*
- D1392 *Withdrawn 2007; Specification for Safflower Oil*
- D1393 *Withdrawn 1977; Method of Test for Flash Point of Drying Oils*
- D1394-76(2009)** Test Methods for Chemical Analysis of White Titanium Pigments, **06.03**
- D1395 *Withdrawn 1989; Test Method for Abrasion Resistance of Clear Floor Coatings*
- D1396 *Withdrawn 2007; Test Methods for Chemical Analysis of Poly(Vinyl Butyral)*
- D1397 *Withdrawn 2007; Test Method for Unsaponifiable Matter in Alkyd Resins and Resin Solutions*
- D1398 *Withdrawn 2007; Test Method for Fatty Acid Content of Alkyd Resins and Alkyd Resin Solutions*
- D1399 *Withdrawn 2005; Test Method for Unsaponifiable Contents of Tricresyl Phosphate*
- D1400 *Withdrawn 2006; Test Method for Nondestructive Measurement of Dry Film Thickness of Nonconductive Coatings Applied to a Nonferrous Metal Base; Replaced by D7091*
- D1401-12** Test Method for Water Separability of Petroleum Oils and Synthetic Fluids, **05.01**
- D1402 *Withdrawn 1985; Method of Test for Effect of Copper on Oxidation Stability of Lubricating Greases by the Oxygen Bomb Method*
- D1403-10** Test Methods for Cone Penetration of Lubricating Grease Using One-Quarter and One-Half Scale Cone Equipment, **05.01**
- D1404/D1404M-99(2008)** Test Method for Estimation of Deleterious Particles in Lubricating Grease, **05.01**
- D1405/D1405M-08(2013)** Test Method for Estimation of Net Heat of Combustion of Aviation Fuels, **05.01**
- D1406 *Withdrawn 1996; Practice for Liquid Calibration of Tanks*
- D1407 *Withdrawn 1996; Practice for Measurement and Calibration of Barge Tanks*
- D1408 *Withdrawn 1996; Practice for Measurement and Calibration of Spherical and Spheroidal Tanks (Available as Separate Reprint Only)*
- D1409 *Withdrawn 1996; Practice for Measurement and Calibration of Tank Car Tanks*
- D1410 *Withdrawn 1996; Practice for Measurement and Calibration of Stationary Horizontal Tanks*
- D1411-09** Test Methods for Water-Soluble Chlorides Present as Admixtures in Graded Aggregate Road Mixes, **04.08**
- D1412-07** Test Method for Equilibrium Moisture of Coal at 96 to 97 Percent Relative Humidity and 30°C, **05.06**
- D1413-07<sup>1</sup>** Test Method for Wood Preservatives by Laboratory Soil-Block Cultures, **04.10**
- D1414-94(2013)** Test Methods for Rubber O-Rings, **09.02**
- D1415-06(2012)** Test Method for Rubber Property—International Hardness, **09.01**
- D1416 *Withdrawn 1996; Test Methods for Rubber from Synthetic Sources—Chemical Analysis; Replaced by D5667*
- D1417-10** Test Methods for Rubber Latices—Synthetic, **09.01**
- D1418-10a** Practice for Rubber and Rubber Latices—Nomenclature, **09.01**
- D1419 *Withdrawn 1964; Recommended Practice for Description of Types of Styrene Butadiene Rubbers (SBR) and Butadiene Rubbers (BR)*
- D1420 *Withdrawn 1964; Recommended Practice for Description of Types of Styrene Butadiene Rubber (SBR) and Butadiene Rubbers (BR) Latices*
- D1421 *Withdrawn 1977; Recommended Practice for Interlaboratory Testing of Rubber and Rubber-Like Materials*
- D1422/D1422M-13** Test Method for Twist in Single Spun Yarns by the Untwist-Retwist Method, **07.01**
- D1423-02(2008)** Test Method for Twist in Yarns by Direct-Counting, **07.01**
- D1424-09(2013)** Test Method for Tearing Strength of Fabrics by Falling-Pendulum (Elmendorf-Type) Apparatus, **07.01**
- D1425 *Withdrawn 2005; Test Method for Unevenness of Textile Strands Using Capacitance Testing Equipment*
- D1425/D1425M-14** Test Method for Evenness of Textile Strands Using Capacitance Testing Equipment, **07.01**
- D1426-08** Test Methods for Ammonia Nitrogen in Water, **11.01**
- D1427 *Withdrawn 1982; Methods of Test for Residual Chlorine in Waste Water*
- D1428 *Withdrawn 1990; Test Methods for Sodium and Potassium in Water and Water-Formed Deposits by Flame Photometry*
- D1429-13** Test Methods for Specific Gravity of Water and Brine, **11.01**
- D1430-11** Classification System for Polychlorotrifluoroethylene (PCTFE) Plastics, **08.01**
- D1431 *Withdrawn 1985; Specification for Styrene-Acrylonitrile Copolymer Molding and Extrusion Materials; Replaced by D4203*
- D1432 *Withdrawn 1964; Specification for Nonrigid Vinyl Chloride Polymer and Copolymer Extrusion Compounds; Replaced by D2287*
- D1433 *Withdrawn 1987; Method of Test for Rate of Burning and or Extent and Time of Burning of Flexible Thin Plastic Sheeting Supported on a 45° Incline*
- D1434-82(2009)<sup>1</sup>** Test Method for Determining Gas Permeability Characteristics of Plastic Film and Sheeting, **15.10**
- D1435-13** Practice for Outdoor Weathering of Plastics, **08.01**
- D1436-97(2008)** Test Methods for Application of Emulsion Floor Polishes to Substrates for Testing Purposes, **15.04**
- D1437 *Withdrawn 1985; Method of Test for Flash Point of Solvent-Type Liquid Waxes*
- D1438 *Withdrawn 1960; Method of Test for Pentosans in Cellulose (Aniline Acetate Colorimetric Method); Replaced by D1787*
- D1439-03(2008)<sup>1</sup>** Test Methods for Sodium Carboxymethylcellulose, **06.03**
- D1440-07(2012)** Test Method for Length and Length Distribution of Cotton Fibers (Array Method), **07.01**
- D1441-12** Practice for Sampling Cotton Fibers for Testing, **07.01**
- D1442-06(2012)** Test Method for Maturity of Cotton Fibers (Sodium Hydroxide Swelling and Polarized Light Procedures), **07.01**
- D1443 *Withdrawn 1964; Method of Test for Maturity of Cotton Fibers (Random Sample-Sodium Hydroxide Swelling Method); Replaced by D1442*
- D1444 *Withdrawn 1979; Method of Test for Cross-Sectional Characteristics of Cotton Fibers*
- D1445/D1445M-12** Test Method for Breaking Strength and Elongation of Cotton Fibers (Flat Bundle Method), **07.01**
- D1446 *Withdrawn 1978; Method of Test for Number of Neps in Cotton Samples*
- D1447-07(2012)<sup>1</sup>** Test Method for Length and Length Uniformity of Cotton Fibers by Photoelectric Measurement, **07.01**
- D1448-11** Test Method for Micronaire Reading of Cotton Fibers, **07.01**
- D1449 *Withdrawn 1978; Method of Test for Specific Area and Immaturity Ratio of Cotton Fibers (Arealometer Method)*
- D1450 *Withdrawn 1968; Method of Test for Maturity of Cotton Fibers (Polarized-Light Method); Replaced by D1442*
- D1451 *Withdrawn 1969; Method of Test for Non-Lint Content of Cotton (Shirley Analyzer Method); Replaced by D2812*
- D1452-09** Practice for Soil Exploration and Sampling by Auger Borings, **04.08**
- D1453 *Withdrawn 1967; Tolerances for Spun Rayon and Acetate Yarns; Replaced by D4645*
- D1454 *Withdrawn 1967; Tolerances for Yarns Spun from Mixed Fibers; Replaced by D4644, D4645*
- D1455-87(2008)** Test Method for 60° Specular Gloss of Emulsion Floor Polish, **15.04**
- D1456-86(2010)** Test Method for Rubber Property—Elongation at Specific Stress, **09.01**
- D1457 *Withdrawn 1996; Specification for Polytetrafluoroethylene (PTFE) Molding and Extrusion Materials; Replaced by D4894, D4895*



- D1458-13** Test Methods for Fully Cured Silicone Rubber-Coated Glass Fabric and Tapes for Electrical Insulation, **10.01**
- D1459* Withdrawn 2009; Specification for Silicone Varnished Glass Cloth and Tape for Electrical Insulation
- D1460-86(2010)** Test Method for Rubber Property—Change in Length During Liquid Immersion, **09.01**
- D1461-11** Test Method for Moisture or Volatile Distillates in Bituminous Paving Mixtures, **04.03**
- D1462* Withdrawn 2007; Specification for Refined Soybean Oil
- D1463* Withdrawn 1989; Specification for Biaxially Oriented Styrene Plastics Sheet
- D1464-12** Practice for Differential Dyeing Behavior of Cotton, **07.01**
- D1465-10** Test Method for Blocking and Picking Points of Petroleum Wax, **05.01**
- D1466* Withdrawn 2003; Test Method for Sampling Liquid Oils and Fatty Acids Commonly Used in Paints, Varnishes, and Related Materials
- D1467* Withdrawn 2003; Guide for Testing Fatty Acids Used in Protective Coatings
- D1468* Withdrawn 2005; Test Method for Volatile Matter in Tricresyl Phosphate
- D1469* Withdrawn 2003; Test Method for Total Rosin Acids Content of Coating Vehicles
- D1470* Withdrawn 1962; Method of Test for Dimensional Change of Knit Fabrics
- D1471* Withdrawn 1976; Method of Test for Two-Parameter, 60° Specular Gloss
- D1472* Withdrawn 1972; Method of Test for Set Time for Thermosetting Phenol-Formaldehyde Varnishes
- D1473* Withdrawn 1988; Method of Test for 2,6-ditertiary-Butyl para-Cresol in Electrical Insulating Oils
- D1474-98(2008)** Test Methods for Indentation Hardness of Organic Coatings, **06.01**
- D1475-98(2012)** Test Method For Density of Liquid Coatings, Inks, and Related Products, **06.01**
- D1476-02(2012)** Test Method for Heptane Miscibility of Lacquer Solvents, **06.04**
- D1477* Withdrawn 1967; Method of Test for Freezing Point of Aviation Fuels; Replaced by D2386
- D1478-11** Test Method for Low-Temperature Torque of Ball Bearing Grease, **05.01**
- D1479* Withdrawn 1988; Method of Test for Emulsion Stability of Soluble Cutting Oils
- D1480-12** Test Method for Density and Relative Density (Specific Gravity) of Viscous Materials by Bingham Pycnometer, **05.01**
- D1481-12** Test Method for Density and Relative Density (Specific Gravity) of Viscous Materials by Lipkin Bicapillary Pycnometer, **05.01**
- D1482* Withdrawn 1966; Method of Test for Color Difference Using the General Electric Spectrophotometer; Combined with D 2244
- D1483-12** Test Method for Oil Absorption of Pigments by Gardner-Coleman Method, **06.01**
- D1484* Withdrawn 1965; Method of Test for Penetration of Hard Rubber by Type D Durometer; Replaced by D2240
- D1485-07(2011)** Practice for Rubber from Natural Sources—Sampling and Sample Preparation, **09.01**
- D1486* Withdrawn 1968; Methods of Testing Tufted Pile Floor Coverings
- D1487* Withdrawn 1962; Method of Test for Shrinkage in Laundering and Dimensional Restorability of Warp Knit Fabrics
- D1488-00(2013)** Test Method for Amylaceous Matter in Adhesives, **15.06**
- D1489-09** Test Method for Nonvolatile Content of Aqueous Adhesives, **15.06**
- D1490-01(2013)** Test Method for Nonvolatile Content of Urea-Formaldehyde Resin Solutions, **15.06**
- D1491* Withdrawn 1986; Method of Test for Bromine Index of Aromatic Hydrocarbons by Potentiometric Titration
- D1492-13** Test Method for Bromine Index of Aromatic Hydrocarbons by Coulometric Titration, **06.04**
- D1493* Withdrawn 2004; Test Method for Solidification Point of Industrial Organic Chemicals
- D1494-12** Test Method for Diffuse Light Transmission Factor of Reinforced Plastics Panels, **08.03**
- D1495* Withdrawn 1966; Method of Test for Color Difference Using the Color Eye; Combined with D 2244
- D1496* Withdrawn 1975; Methods of Sampling Homogenous Waste Water; Replaced by D3370
- D1497* Withdrawn 1962; Method of Test for Iron in High-Purity Industrial Water; Replaced by D1068
- D1498-14** Test Method for Oxidation-Reduction Potential of Water, **11.01**
- D1499-13** Practice for Filtered Open-Flame Carbon-Arc Exposures of Plastics, **08.01**
- D1500-12** Test Method for ASTM Color of Petroleum Products (ASTM Color Scale), **05.01**
- D1501* Withdrawn 1981; Recommended Practice for Exposure of Plastics to Fluorescent Sunlamp
- D1502* Withdrawn 1984; Method of Test for Transverse Load of Corrugated Reinforced Plastic Panels
- D1503* Withdrawn 1964; Specification for Cellulose Acetate Butyrate (CAB) Plastic Pipe, Schedule 40
- D1504* Withdrawn 1989; Recommended Practice for Determining Orientation Release Stress of Plastic Sheeting
- D1505-10** Test Method for Density of Plastics by the Density-Gradient Technique, **08.01**
- D1506-99(2013)** Test Methods for Carbon Black—Ash Content, **09.01**
- D1507* Withdrawn 1960; Method of Test for Attrition of Pelleted Carbon Black
- D1508-12** Test Method for Carbon Black, Pelleted Fines and Attrition, **09.01**
- D1509-95(2012)** Test Methods for Carbon Black—Heating Loss, **09.01**
- D1510-13** Test Method for Carbon Black—Iodine Adsorption Number, **09.01**
- D1511-12** Test Method for Carbon Black—Pellet Size Distribution, **09.01**
- D1512-05(2012)** Test Methods for Carbon Black—pH Value, **09.01**
- D1513-05(2012)** Test Method for Carbon Black, Pelleted—Pour Density, **09.01**
- D1514-04(2011)** Test Method for Carbon Black—Sieve Residue, **09.01**
- D1515* Withdrawn 1970; Method of Test for Area of Leather
- D1516-05(2010)** Test Method for Width of Leather, **15.04**
- D1517-10** Terminology Relating to Leather, **15.04**
- D1518-14** Test Method for Thermal Resistance of Batting Systems Using a Hot Plate, **07.01**
- D1519-95(2009)<sup>1</sup>** Test Methods for Rubber Chemicals—Determination of Melting Range, **09.01**
- D1520* Withdrawn 1984; Specification for Synthetic Rubber Heat- or Moisture-Resisting Insulation for Wire and Cable; Replaced by D1679
- D1521* Withdrawn 1976; Specification for Synthetic Rubber Performance, Moisture-Resisting Insulation for Wire and Cable
- D1522* Withdrawn 1963; Methods for Testing Carbon Blacks in Natural Rubber
- D1523* Withdrawn 2011; Specification for Synthetic Rubber Insulation for Wire and Cable, 90°C Operation
- D1524-94(2010)** Test Method for Visual Examination of Used Electrical Insulating Oils of Petroleum Origin in the Field, **10.03**
- D1525-09** Test Method for Vicat Softening Temperature of Plastics, **08.01**
- D1526* Withdrawn 1964; Method of Test for Determination of Bierbaum Scratch Hardness of Plastic Materials
- D1527-99(2005)** Specification for Acrylonitrile-Butadiene-Styrene (ABS) Plastic Pipe, Schedules 40 and 80, **08.04**
- D1528* Withdrawn 1964; Specification for Dimensions of Solvent Welded (SWP Size) Extruded Acrylonitrile-Butadiene-Styrene (ABS) Plastic Pipe
- D1529* Withdrawn 1966; Specification and Methods of Test for Random Chopped-Glass Fiber Mats for Reinforced Plastics
- D1530* Withdrawn 1962; Method of Test for Tensile Modulus of Elasticity of Thin Plastic Sheeting; Combined with D 882
- D1531* Withdrawn 2012; Test Methods for Relative Permittivity (Dielectric Constant) and Dissipation Factor by Fluid Displacement Procedures
- D1532* Withdrawn 1992; Specification for Polyester Glass-Mat Sheet Laminates; Replaced by D709
- D1533-12** Test Method for Water in Insulating Liquids by Coulometric Karl Fischer Titration, **10.03**
- D1534-95(2008)** Test Method for Approximate Acidity in Electrical Insulating Liquids by Color-Indicator Titration, **10.03**
- D1535-13** Practice for Specifying Color by the Munsell System, **06.01**
- D1536* Withdrawn 1966; Method of Test for Color Difference Using the Colormaster Differential Colorimeter; Combined with D 2244
- D1537* Withdrawn 2007; Specification for Distilled Soybean Fatty Acids
- D1538* Withdrawn 2007; Specification for Distilled Linseed Fatty Acids
- D1539* Withdrawn 2007; Specification for Dehydrated Castor Acids
- D1540* Withdrawn 1992; Practice for Effect of Chemical Agents on Organic Finishes Used in the Transportation Industry
- D1541* Withdrawn 2006; Test Method for Total Iodine Value of Drying Oils and Their Derivatives
- D1542* Withdrawn 1997; Test Method for Qualitative Detection of Rosin in Varnishes
- D1543* Withdrawn 1992; Test Method for Color Permeance of White Architectural Enamels
- D1544-04(2010)** Test Method for Color of Transparent Liquids (Gardner Color Scale), **06.01**
- D1545-13** Test Method for Viscosity of Transparent Liquids by Bubble Time Method, **06.01**
- D1546* Withdrawn; Practice for Testing the Performance of Clear Floor Sealers
- D1547* Withdrawn 1990; Specification for Extruded Acrylic Plastic Sheet
- D1548* Withdrawn 1997; Test Method for Vanadium in Navy Special Fuel Oil
- D1549* Withdrawn 1985; Method of Test for Zinc in Lubricating Oils and Additives (Polarographic Method)
- D1550-94(2009)** Standard ASTM Butadiene Measurement Tables, **05.01**
- D1551* Withdrawn 1977; Method of Test for Sulfur in Petroleum Oils (Quartz-Tube Method)
- D1552-08** Test Method for Sulfur in Petroleum Products (High-Temperature Method), **05.01**
- D1553* Withdrawn 1991; Method for Analysis of Graphites Used as Lubricants
- D1554-10** Terminology Relating to Wood-Base Fiber and Particle Panel Materials, **04.10**
- D1555-09** Test Method for Calculation of Volume and Weight of Industrial Aromatic Hydrocarbons and Cyclohexane, **06.04**
- D1555M-08<sup>1</sup>** Test Method for Calculation of Volume and Weight of Industrial Aromatic Hydrocarbons and Cyclohexane Metric, **06.04**
- D1556-07** Test Method for Density and Unit Weight of Soil in Place by Sand-Cone Method, **04.08**
- D1557-12** Test Methods for Laboratory Compaction Characteristics of Soil Using Modified Effort (56,000 ft-lbf/ft<sup>3</sup>) (2,700 kN-m/m<sup>3</sup>), **04.08**
- D1558-10** Test Method for Moisture Content Penetration Resistance Relationships of Fine-Grained Soils, **04.08**
- D1559* Withdrawn 1998; Test Method for Resistance to Plastic Flow of Bituminous Mixtures Using Marshall Apparatus
- D1560-09a** Test Methods for Resistance to Deformation and Cohesion of Bituminous Mixtures by Means of Hveem Apparatus, **04.03**
- D1561/D1561M-13** Practice for Preparation of Bituminous Mixture Test Specimens by Means of California Kneading Compactor, **04.03**

- D1562-09** Classification System and Basis for Specification for Cellulose Acetate Propionate Molding and Extrusion Compounds, **08.01**  
*D1563* Withdrawn 1985; *Method of Test for Peroxide Number of Mineral Insulating Oils*  
*D1564* Withdrawn 1979; *Testing Flexible Cellular Materials—Slab Urethane Foam*; Replaced by D3574  
*D1565* Withdrawn 1998; *Specification for Flexible Cellular Materials—Vinyl Chloride Polymers and Copolymers (Open-Cell Foam)*  
*D1567* Withdrawn 2000; *Test Method for Detergent Cleaners for Evaluation of Corrosive Effects on Certain Porcelain Enamels*  
**D1568-05(2014)** Test Methods for Sampling and Chemical Analysis of Alkylbenzene Sulfonates, **15.04**  
**D1569-05(2014)** Test Methods for Detergent Alkylate, **15.04**  
**D1570-95(2009)** Test Methods for Sampling and Chemical Analysis of Fatty Alkyl Sulfates, **15.04**  
**D1571/D1571M-95(2009)<sup>1</sup>** Specification for Woven Asbestos Cloth, **04.05**  
*D1572* Withdrawn 1962; *Specification and Methods of Test for Industrial Asbestos Tapes*  
**D1573/D1573M-95(2009)<sup>1</sup>** Test Method for Heat Aging of Asbestos Textiles, **04.05**  
**D1574-04(2013)** Test Method for Extractable Matter in Wool and Other Animal Fibers, **07.01**  
**D1575-13** Test Method for Fiber Length of Wool in Scoured Wool and in Card Sliver, **07.01**  
**D1576-13** Test Method for Moisture in Wool by Oven-Drying, **07.01**  
**D1577-07(2012)** Test Methods for Linear Density of Textile Fibers, **07.01**  
**D1578-93(2011)** Test Method for Breaking Strength of Yarn in Skein Form, **07.01**  
**D1579-01(2013)** Test Method for Filler Content of Phenol, Resorcinol, and Melamine Adhesives, **15.06**  
*D1580* Withdrawn 1992; *Specification for Liquid Adhesives for Automatic Machine Labeling of Glass Bottles*  
*D1581* Withdrawn 1992; *Test Method for Bonding Permanency of Water- or Solvent-Soluble Liquid Adhesives for Labeling Glass Bottles*  
**D1582-98(2011)** Test Method for Nonvolatile Content of Liquid Phenol, Resorcinol, and Melamine Adhesives, **15.06**  
**D1583-01(2013)** Test Method for Hydrogen Ion Concentration of Dry Adhesive Films, **15.06**  
*D1584* Withdrawn 1992; *Test Method for Water Absorptiveness of Paper Labels*  
**D1585-96(2011)** Test Methods for Fatty Acids Content of Naval Stores, Including Rosin, Tall Oil, and Related Products, **06.03**  
**D1586-11** Test Method for Standard Penetration Test (SPT) and Split-Barrel Sampling of Soils, **04.08**  
**D1587-08(2012)<sup>1</sup>** Practice for Thin-Walled Tube Sampling of Soils for Geotechnical Purposes, **04.08**  
*D1588* Withdrawn 1984; *Methods of Test for Dissolved and Gaseous Hydrogen in Water*  
*D1589* Withdrawn 1981; *Methods of Test for Dissolved Oxygen in Waste Water*  
*D1590* Withdrawn 1995; *Test Method for Surface Tension of Water*  
*D1591* Withdrawn 1967; *Method of Test for Effect of Water in Tubular Heat Exchangers*  
*D1592* Withdrawn 1962; *Specification for Glass Fabric Reinforced Epoxy Resin Laminates*; Combined with D 709  
**D1593-13** Specification for Nonrigid Vinyl Chloride Plastic Film and Sheeting, **08.01**  
*D1594* Withdrawn 1961; *Specification for Methylstyrene-Acrylonitrile Copolymer Molding and Extrusion Material*  
*D1595* Withdrawn 1960; *Specification for Polymethylstyrene Molding and Extrusion Material*  
**D1596-97(2011)** Test Method for Dynamic Shock Cushioning Characteristics of Packaging Material, **15.10**  
*D1597* Withdrawn 1984; *Method of Test for Melamine Content of Nitrogen Resins*  
**D1598-02(2009)** Test Method for Time-to-Failure of Plastic Pipe Under Constant Internal Pressure, **08.04**  
**D1599-99(2011)** Test Method for Resistance to Short-Time Hydraulic Pressure of Plastic Pipe, Tubing, and Fittings, **08.04**  
**D1600-14** Terminology for Abbreviated Terms Relating to Plastics, **08.01**  
**D1601-12** Test Method for Dilute Solution Viscosity of Ethylene Polymers, **08.01**  
*D1602* Withdrawn 1989; *Test Method for Bearing Load of Corrugated Reinforced Plastics Panels*  
**D1603-12** Test Method for Carbon Black Content in Olefin Plastics, **08.01**  
*D1604* Withdrawn 1982; *Method for Measurement of Flatness of Plastics Sheet or Tubing*  
*D1605* Withdrawn 1992; *Practices for Sampling Atmospheres for Analysis of Gases and Vapors*  
*D1606* Withdrawn 1977; *Method of Test for Inorganic Fluoride in the Atmosphere*; Replaced by D32666, D3267, D3268, D3269, D3270  
**D1607-91(2011)** Test Method for Nitrogen Dioxide Content of the Atmosphere (Griess-Saltzman Reaction), **11.07**  
**D1608-98(2009)** Test Method for Oxides of Nitrogen in Gaseous Combustion Products (Phenol-Disulfonic Acid Procedures), **11.07**  
*D1609* Withdrawn 1982; *Method of Test for Oxidant Ozone Content of the Atmosphere*  
**D1610-01(2013)** Practice for Conditioning Leather and Leather Products for Testing, **15.04**
- D1611-12** Test Method for Corrosion Produced by Leather in Contact with Metal, **15.04**  
*D1612* Withdrawn 2011; *Test Method for Acetone in Methanol*  
**D1613-06(2012)** Test Method for Acidity in Volatile Solvents and Chemical Intermediates Used in Paint, Varnish, Lacquer, and Related Products, **06.04**  
**D1614-09** Test Method for Alkalinity in Acetone, **06.04**  
*D1615* Withdrawn 2004; *Test Methods for Glycerol, Ethylene Glycol, and Pentaerythritol in Alkyd Resins*  
*D1616* Withdrawn 1982; *Method of Test for Copper Corrosion by Mineral Spirits (Copper Strip Test)*; Replaced by D130  
**D1617-07(2012)** Test Method for Ester Value of Solvents and Thinners, **06.04**  
**D1618-99(2011)** Test Method for Carbon Black Extractables—Transmittance of Toluene Extract, **09.01**  
**D1619-11** Test Methods for Carbon Black—Sulfur Content, **09.01**  
*D1620* Withdrawn 1973; *Method of Test for Volatile Content of Carbon Black*  
**D1621-10** Test Method for Compressive Properties of Rigid Cellular Plastics, **08.01**  
**D1622-08** Test Method for Apparent Density of Rigid Cellular Plastics, **08.01**  
**D1623-09** Test Method for Tensile and Tensile Adhesion Properties of Rigid Cellular Plastics, **08.01**  
*D1624* Withdrawn 2006; *Specification for Acid Copper Chromate*  
*D1625* Withdrawn 2006; *Specification for Chromated Copper Arsenate*  
*D1626* Withdrawn 1970; *Specification for Chromated Zinc Arsenate*  
*D1627* Withdrawn 2006; *Test Methods for Chemical Analysis of Acid Copper Chromate*  
*D1628* Withdrawn 2006; *Test Methods for Chemical Analysis of Chromated Copper Arsenate*  
*D1629* Withdrawn 1970; *Method for Chemical Analysis of Chromated Zinc Arsenate*  
**D1630-06(2012)** Test Method for Rubber Property—Abrasion Resistance (Footwear Abrader), **09.01**  
**D1631-10** Test Method for Water in Phenol and Related Materials by the Iodine Reagent Method, **06.04**  
**D1632-07** Practice for Making and Curing Soil-Cement Compression and Flexure Test Specimens in the Laboratory, **04.08**  
**D1633-00(2007)** Test Methods for Compressive Strength of Molded Soil-Cement Cylinders, **04.08**  
**D1634-00(2006)** Test Method for Compressive Strength of Soil-Cement Using Portions of Beams Broken in Flexure (Modified Cube Method), **04.08**  
**D1635/D1635M-12** Test Method for Flexural Strength of Soil-Cement Using Simple Beam with Third-Point Loading, **04.08**  
**D1636-13** Specification for Allyl Molding Compounds, **08.01**  
*D1637* Withdrawn 1990; *Test Method for Tensile Heat Distortion Temperature of Plastic Sheeting*  
*D1638* Withdrawn 1991; *Methods of Testing Urethane Foam Isocyanate Raw Materials*  
*D1639* Withdrawn 2005; *Test Method for Acid Value of Organic Coating Materials*  
**D1640-03(2009)** Test Methods for Drying, Curing, or Film Formation of Organic Coatings at Room Temperature, **06.01**  
*D1641* Withdrawn 2013; *Practice for Conducting Outdoor Exposure Tests of Varnishes*  
*D1642* Withdrawn 1999; *Test Methods for Elasticity or Toughness of Varnishes*  
*D1643* Withdrawn 1993; *Test Methods for Gas Checking and Draft Test of Varnish Films*  
**D1644-01(2012)** Test Methods for Nonvolatile Content of Varnishes, **06.01**  
*D1645* Withdrawn 1970; *Method of Test for Print Resistance of Varnishes*; Replaced by D1640  
**D1646-07(2012)** Test Methods for Rubber—Viscosity, Stress Relaxation, and Pre-Vulcanization Characteristics (Mooney Viscometer), **09.01**  
*D1647* Withdrawn 2004; *Test Methods for Resistance of Dried Films of Varnishes to Water and Alkali*  
**D1648-86(2008)** Specification for Basic Lead Silicochromate Pigment, **06.03**  
**D1649-01(2012)** Specification for Strontium Chromate Pigment, **06.03**  
*D1650* Withdrawn 1997; *Test Methods of Sampling and Testing Shellac Varnish*  
*D1651* Withdrawn 1982; *Method of Test for Phthalic Acid Isomers and Benzoic Acid in Alkyd Resins and Esters*  
**D1652-11<sup>1</sup>** Test Method for Epoxy Content of Epoxy Resins, **06.03**  
**D1653-13** Test Methods for Water Vapor Transmission of Organic Coating Films, **06.01**  
**D1654-08** Test Method for Evaluation of Painted or Coated Specimens Subjected to Corrosive Environments, **06.01**  
**D1655-13** Specification for Aviation Turbine Fuels, **05.01**  
*D1656* Withdrawn 1969; *Method of Test for Knock Characteristics of Motor Fuels Above 100 Octane Number by the Research Method*; Replaced by D2699  
**D1657-12<sup>1</sup>** Test Method for Density or Relative Density of Light Hydrocarbons by Pressure Hydrometer, **05.01**  
*D1658* Withdrawn 1984; *Method of Test for Carbon Number Distribution of Aromatic Compounds in Naphthas by Mass Spectrometry*  
*D1659* Withdrawn 1984; *Method of Test for Maximum Fluidity Temperature of Residual Fuel Oil*  
*D1660* Withdrawn 1992; *Test Method for Thermal Stability of Aviation Turbine Fuels*; Replaced by D3241  
*D1661* Withdrawn 1990; *Test Method for Thermal Stability of U. S. Navy Special Fuel Oil*  
**D1662-08** Test Method for Active Sulfur in Cutting Oils, **05.01**

- D1663 *Withdrawn 1976; Specification for Hot-Mixed, Hot-Laid Asphalt Paving Mixtures; Replaced by D3515*
- D1664 *Withdrawn 1992; Test Method for Coating and Stripping of Bitumen-Aggregate Mixtures*
- D1665-98(2009) Test Method for Engler Specific Viscosity of Tar Products, **04.03**
- D1666-11 Test Methods for Conducting Machining Tests of Wood and Wood-Base Panel Materials, **04.10**
- D1667-05(2011) Specification for Flexible Cellular Materials—Poly (Vinyl Chloride) Foam (Closed-Cell), **08.01**
- D1668-97a(2006) Specification for Glass Fabrics (Woven and Treated) for Roofing and Waterproofing, **04.04**
- D1669/D1669M-07(2013)<sup>1</sup> Practice for Preparation of Test Panels for Accelerated and Outdoor Weathering of Bituminous Coatings, **04.04**
- D1670/D1670M-11 Test Method for Failure End Point in Accelerated and Outdoor Weathering of Bituminous Materials, **04.04**
- D1671 *Withdrawn 1984; Method of Test for Absorbed Gamma Radiation Dose in the Fricke Dosimeter; Replaced by E1026*
- D1672 *Withdrawn 1984; Recommended Practices for Exposure of Polymeric Materials to High-Energy Radiation; Replaced by E1027*
- D1673 *Withdrawn 2006; Test Methods for Relative Permittivity And Dissipation Factor of Expanded Cellular Polymers Used For Electrical Insulation*
- D1674 *Withdrawn 1992; Methods of Testing Polymerizable Embedding Compounds Used for Electrical Insulation*
- D1675-03(2011) Test Methods for Polytetrafluoroethylene Tubing, **10.01**
- D1676-03(2011) Test Methods for Film-Insulated Magnet Wire, **10.02**
- D1677-02(2011) Methods for Sampling and Testing Untreated Mica Paper Used for Electrical Insulation, **10.01**
- D1678 *Withdrawn 1962; Methods of Testing Flexible Vinyl Plastic Coated Sleeving Used for Electrical Insulation*
- D1679 *Withdrawn 2006; Specification for Synthetic Rubber Heat-and Moisture-Resisting Insulation for Wire and Cable, 75 °C Operation*
- D1680 *Withdrawn 1989; Methods of Testing Rubber Hose for Automotive Air Conditioning Systems*
- D1681-05(2014) Test Method for Synthetic Anionic Active Ingredient in Detergents by Cationic Titration Procedure, **15.04**
- D1682 *Withdrawn 1992; Test Methods for Breaking Load and Elongation of Textile Fabric; Replaced by D5034 and D5035*
- D1683/D1683M-11a Test Method for Failure in Sewn Seams of Woven Apparel Fabrics, **07.01**
- D1684-07(2012) Practice for Lighting Cotton Dressing Rooms for Color Grading, **07.01**
- D1685 *Withdrawn 2009; Test Method for Traces of Thiophene in Benzene by Spectrophotometry*
- D1686-10 Test Method for Color of Solid Aromatic Hydrocarbons and Related Materials in the Molten State (Platinum-Cobalt Scale), **06.04**
- D1687-12 Test Methods for Chromium in Water, **11.01**
- D1688-12 Test Methods for Copper in Water, **11.01**
- D1689 *Withdrawn 1964; Method of Test for Silica in High-Purity Water; Combined with D 859*
- D1690 *Withdrawn 1981; Test for Gamma Radioactivity of Water*
- D1691-12 Test Methods for Zinc in Water, **11.01**
- D1692 *Withdrawn 1978; Method of Test for Rate of Burning or Extent and Time of Burning of Cellular Plastics Using a Specimen Supported by a Horizontal Screen*
- D1693-13 Test Method for Environmental Stress-Cracking of Ethylene Plastics, **08.01**
- D1694 *Withdrawn 2005; Specification for Threads 60° (Stub) for Fiberglass (Glass-Fiber-Reinforced Thermosetting-Resin) Pipe*
- D1695-07(2012) Terminology of Cellulose and Cellulose Derivatives, **06.03**
- D1696-95(2011) Test Method for Solubility of Cellulose in Sodium Hydroxide, **06.03**
- D1697 *Withdrawn 1974; Method of Sampling Casein and Similar Protein Materials*
- D1698-03(2008) Test Method for Sediments and Soluble Sludge in Service-Aged Insulating Oils, **10.03**
- D1699 *Withdrawn 1967; Method of Test for Bond Strength of Leather Belting*
- D1700 *Withdrawn 1963; Specification for Low Voltage Rubber Insulating Gloves; Combined with D 120*
- D1701 *Withdrawn 2000; Test Methods for Scavenger Content of Askarels*
- D1702 *Withdrawn 1991; Method for Visual Examination of Used Chlorinated Aromatic Hydrocarbons (Askarels) in the Field*
- D1703 *Withdrawn 1982; Recommended Practice for Presentation of Capillary Flow Data on Molten Thermoplastics; Replaced by D3805*
- D1704/D1704M *Withdrawn 2000; Test Method for Determining the Amount of Particulate Matter in the Atmosphere by Measurement of the Light Absorbance of a Filtered Sample*
- D1705 *Withdrawn 1998; Test Method for Particle Size Analysis of Powdered Polymers and Copolymers of Vinyl Chloride*
- D1706 *Withdrawn 1967; Method of Test for Indentation Hardness of Plastics by Means of a Durometer*
- D1707 *Withdrawn 1967; Definition of Terms Relating to Soil Dynamics; Combined with D 653*
- D1708-13 Test Method for Tensile Properties of Plastics by Use of Microtensile Specimens, **08.01**
- D1709-09 Test Methods for Impact Resistance of Plastic Film by the Free-Falling Dart Method, **08.01**
- D1710-08 Specification for Extruded Polytetrafluoroethylene (PTFE) Rod, Heavy Walled Tubing and Basic Shapes, **08.01**
- D1711-13 Terminology Relating to Electrical Insulation, **10.01**
- D1712-09 Practice for Resistance of Plastics to Sulfide Staining, **08.01**
- D1713 *Withdrawn 1992; Test Method for Bonding Permanency of Water- or Solvent-Soluble Liquid Adhesives for Automatic Machine Sealing Top Flaps of Fiberboard Specimens*
- D1714 *Withdrawn 1992; Test Method for Water Absorptiveness of Fiberboard Specimens for Adhesives*
- D1715 *Withdrawn 1968; Method of Test for Gas Evolved from Chemical Blowing Agents for Cellular Plastics*
- D1716 *Withdrawn 1993; Test Method for Cellulose Chain Length Uniformity by Fractional Precipitation of Cellulose Nitrate*
- D1717 *Withdrawn 1984; Method of Test for Analysis of Commercial Butane-Butene Mixtures and Isobutylene by Gas Chromatography*
- D1718-09 Specification for Isobutyl Acetate (95 % Grade), **06.04**
- D1719-11 Specification for Isobutyl Alcohol, **06.04**
- D1720-03(2012) Test Method for Dilution Ratio of Active Solvents in Cellulose Nitrate Solutions, **06.04**
- D1721 *Withdrawn 2012; Test Method for Permanganate Time of Tricresyl Phosphate*
- D1722-09 Test Method for Water Miscibility of Water-Soluble Solvents, **06.04**
- D1723 *Withdrawn 1966; Method of Test for Water Solubility of Acetone; Combined with D 1722*
- D1724 *Withdrawn 1978; Method for Qualitative Determination of Fish Oil in Drying Oils and Drying Oil Fatty Acids; Replaced by D555, D3725*
- D1725-12 Practice for Preparing Resin Solutions for Viscosity Measurement by Bubble Time Method, **06.03**
- D1726-11 Test Methods for Hydrolyzable Chloride Content of Liquid Epoxy Resins, **06.03**
- D1727 *Withdrawn 1984; Method of Test for Urea Content of Nitrogen Resins*
- D1728 *Withdrawn 1991; Test Method for Phthalate Ester Color of High-Gravity Glycerin*
- D1729-96(2009) Practice for Visual Appraisal of Colors and Color Differences of Diffusely-Illuminated Opaque Materials, **06.01**
- D1730-09 Practices for Preparation of Aluminum and Aluminum-Alloy Surfaces for Painting, **02.05**
- D1731-09 Practices for Preparation of Hot-Dip Aluminum Surfaces for Painting, **02.05**
- D1732-03(2013) Practices for Preparation of Magnesium Alloy Surfaces for Painting, **02.05**
- D1733 *Withdrawn 1980; Method for Preparation of Aluminum Alloy Panels for Testing Paint, Varnish, Lacquer, and Related Products; Replaced by D1730*
- D1734-93(2013) Practice for Making Cementitious Panels for Testing Coatings, **06.02**
- D1735-08 Practice for Testing Water Resistance of Coatings Using Water Fog Apparatus, **06.01**
- D1736 *Withdrawn 1997; Test Method for Efflorescence of Interior Wall Paints*
- D1737 *Withdrawn 1988; Method of Test for Elongation of Attached Organic Coatings with Cylindrical Mandrel Apparatus; Replaced by D522*
- D1738 *Withdrawn 1970; Method of Test for Hiding Power of Nonchromatic Paints; Replaced by D2805*
- D1739-98(2010) Test Method for Collection and Measurement of Dustfall (Settleable Particulate Matter), **11.07**
- D1740 *Withdrawn 2006; Test Method for Luminometer Numbers of Aviation Turbine Fuels*
- D1741 *Withdrawn 1991; Test Method for Functional Life of Ball Bearing Greases*
- D1742-06 Test Method for Oil Separation from Lubricating Grease During Storage, **05.01**
- D1743-13 Test Method for Determining Corrosion Preventive Properties of Lubricating Greases, **05.01**
- D1744-13 Test Method for Determination of Water in Liquid Petroleum Products by Karl Fischer Reagent, **05.01**
- D1745 *Withdrawn 1966; Method for Calculation of Absolute Viscosity; Combined with D 445*
- D1746-09 Test Method for Transparency of Plastic Sheet, **08.01**
- D1747-09 Test Method for Refractive Index of Viscous Materials, **05.01**
- D1748-10 Test Method for Rust Protection by Metal Preservatives in the Humidity Cabinet, **05.01**
- D1749 *Withdrawn 2010; Practice for Interlaboratory Evaluation of Test Methods Used with Paper and Paper Products*
- D1750 *Withdrawn 1986; Tables for Positive Displacement Meter Prover Tanks*
- D1751-04(2013)<sup>1</sup> Specification for Preformed Expansion Joint Filler for Concrete Paving and Structural Construction (Nonextruding and Resilient Bituminous Types), **04.03**
- D1752-04a(2013) Specification for Preformed Sponge Rubber Cork and Recycled PVC Expansion Joint Fillers for Concrete Paving and Structural Construction, **04.03**
- D1753 *Withdrawn 1977; Specification for Hot-Mixed, Hot-Laid Tar Paving Mixtures; Replaced by D3515*
- D1754/D1754M-09 Test Method for Effects of Heat and Air on Asphaltic Materials (Thin-Film Oven Test), **04.03**
- D1755-09 Specification for Poly(Vinyl Chloride) Resins, **08.01**
- D1756 *Withdrawn 2013; Test Method for Determination as Carbon Dioxide of Carbonate Carbon in Coal; Replaced by D6316*
- D1757 *Withdrawn 2009; Test Method for Sulfate Sulfur in Ash from Coal and Coke*
- D1758-06 Test Method of Evaluating Wood Preservatives by Field Tests with Stakes, **04.10**
- D1759 *Withdrawn 1978; Method of Conducting Shear-Block Test for Quality Control of Glue Bonds in Scarf Joints*

- D1760 *Withdrawn 2006; Specification for Pressure Treatment of Timber Products*
- D1761-12** Test Methods for Mechanical Fasteners in Wood, **04.10**
- D1762-84(2013)** Test Method for Chemical Analysis of Wood Charcoal, **04.10**
- D1763-00(2013)** Specification for Epoxy Resins, **08.01**
- D1764 *Withdrawn 2003; Specification for Rubber Latex Products for Automotive Applications*
- D1765-13** Classification System for Carbon Blacks Used in Rubber Products, **09.01**
- D1766-05(2011)** Test Method for Rubber Chemicals—Solubility, **09.01**
- D1767-89(2009)** Test Method for Ethylene Diamine Tetraacetate (EDTA) in Soaps or Synthetic Detergents, **15.04**
- D1768-89(2009)** Test Method for Sodium Alkylbenzene Sulfonate in Synthetic Detergents by Ultraviolet Absorption, **15.04**
- D1769 *Withdrawn 1989; Test Method for Linear Density of Cotton Fibers (Array Sample)*
- D1770-94(2012)<sup>1</sup>** Test Method for Neps, Vegetable Matter, and Colored Fiber in Wool Top, **07.01**
- D1771 *Withdrawn 1981; Method of Sample Reweighing of Lots of Packaged Raw Wool*
- D1772 *Withdrawn 1966; Method of Test for Imperfection Count of Textile Yarns*
- D1773 *Withdrawn 1962; Method of Test for Dimensional Change of Knitted Fabrics in Laundering and Dimensional Restorability of the Laundered Fabric*
- D1774 *Withdrawn 2000; Test Methods for Elastic Properties of Textile Fibers*
- D1775 *Withdrawn 2000; Test Method for Tension and Elongation of Wide Elastic Fabrics (Constant-Rate-of-Load Type Tensile Testing Machine)*
- D1776-08<sup>1</sup>** Practice for Conditioning and Testing Textiles, **07.01**
- D1777-96(2011)<sup>1</sup>** Test Method for Thickness of Textile Materials, **07.01**
- D1778 *Withdrawn 1966; Method of Test for Colorfastness to Commercial Laundering and to Domestic Washing of Tufted Rugs and Carpets*
- D1779-98(2011)** Specification for Adhesive for Acoustical Materials, **15.06**
- D1780-05(2012)** Practice for Conducting Creep Tests of Metal-to-Metal Adhesives, **15.06**
- D1781-98(2012)** Test Method for Climbing Drum Peel for Adhesives, **15.06**
- D1782-95(2009)** Test Methods for Operating Performance of Particulate Cation-Exchange Materials, **11.02**
- D1783-01(2012)** Test Methods for Phenolic Compounds in Water, **11.02**
- D1784-11** Specification for Rigid Poly(Vinyl Chloride) (PVC) Compounds and Chlorinated Poly(Vinyl Chloride) (CPVC) Compounds, **08.01**
- D1785-12** Specification for Poly(Vinyl Chloride) (PVC) Plastic Pipe, Schedules 40, 80, and 120, **08.04**
- D1786-10** Specification for Toluene Diisocyanate, **08.01**
- D1787 *Withdrawn 1995; Test Method for Pentosans in Cellulose*
- D1788 *Withdrawn 1989; Specification for Rigid Acrylonitrile-Butadiene-Styrene (ABS) Plastics*
- D1789 *Withdrawn 1984; Test Method for Welding Performance of Poly(Vinyl Chloride) Structures*
- D1790-08** Test Method for Brittleness Temperature of Plastic Sheeting by Impact, **08.01**
- D1791-93(2008)** Test Method for Accelerated Aging of Liquid Water-Emulsion Floor Polishes, **15.04**
- D1792-06(2012)<sup>1</sup>** Test Method for Long-Term Removability Properties of Emulsion Floor Polishes, **15.04**
- D1793-92(2008)** Test Method for Water Spotting of Emulsion Floor Polishes, **15.04**
- D1794 *Withdrawn 1993; Test Method for Alcohol-Benzene Soluble Matter in Cellulose*
- D1795-13** Test Method for Intrinsic Viscosity of Cellulose, **06.03**
- D1796-11<sup>1</sup>** Test Method for Water and Sediment in Fuel Oils by the Centrifuge Method (Laboratory Procedure), **05.01**
- D1797 *Withdrawn 1974; Method of Test for Ash in Casein and Isolated Soy Protein*
- D1798 *Withdrawn 1974; Method of Test for Fixed Ash in Casein and Isolated Soy Protein*
- D1799-03a(2008)** Practice for Carbon Black—Sampling Packaged Shipments, **09.01**
- D1800 *Withdrawn 1974; Method of Test for Alkali Requirement of Casein and Isolated Soy Protein*
- D1801 *Withdrawn 1974; Method of Test for Free Acidity in Casein and Isolated Soy Protein*
- D1802 *Withdrawn 1974; Method of Test for Moisture in Casein and Isolated Soy Protein*
- D1803 *Withdrawn 1974; Method of Test for Nitrogen in Casein and Isolated Soy Protein*
- D1804 *Withdrawn 1974; Method of Test for Oil in Casein and Isolated Soy Protein*
- D1805 *Withdrawn 1972; Recommended Practice for Estimating Relative Temperature Limits of Dielectric Liquids*
- D1806 *Withdrawn 1962; Method of Test for Refractive Index of Askarels; Combined with D 1807*
- D1807 *Withdrawn 2014; Test Methods for Refractive Index and Specific Optical Dispersion of Electrical Insulating Liquids*
- D1808 *Withdrawn 1980; Method of Test for Volume of Oil in Oil-Contaminated Askarels*
- D1809 *Withdrawn 1967; Method for Sampling Askarels; Combined with D 923*
- D1810 *Withdrawn 2000; Test Method for Specific Gravity of Askarels/i*
- D1811 *Withdrawn 1961; Method of Test for Free Chlorides in Askarels; Replaced by D1821*
- D1812 *Withdrawn 1981; Method of Test for Plastic Properties of Coal by Gieseler Plastometer*
- D1813-13** Test Method for Measuring Thickness of Leather Test Specimens, **15.04**
- D1814-70(2010)** Test Method for Measuring Thickness of Leather Units, **15.04**
- D1815-00(2010)** Test Method for Water Absorption (Static) of Vegetable Tanned Leather, **15.04**
- D1816-12** Test Method for Dielectric Breakdown Voltage of Insulating Liquids Using VDE Electrodes, **10.03**
- D1817-05(2011)** Test Method for Rubber Chemicals—Density, **09.01**
- D1818 *Withdrawn 1990; Specification for Continuity of Quality of Electrical Insulating Oil for Low-Pressure Cable Systems*
- D1819 *Withdrawn 1990; Specification for Continuity of Quality of Electrical Insulating Oil for High-Pressure Cable Systems*
- D1820 *Withdrawn 2000; Test Method for Hydrolyzable Chlorine Compounds in Chlorinated Aromatic Hydrocarbons (Askarels)*
- D1821 *Withdrawn 2000; Test Method for Inorganic Chlorides in Askarels*
- D1822-13** Test Method for Tensile-Impact Energy to Break Plastics and Electrical Insulating Materials, **08.01**
- D1822M *Withdrawn 1996; Test Method for Tensile-Impact Energy to Break Plastics and Electrical Insulating Materials*
- D1823-95(2009)** Test Method for Apparent Viscosity of Plastisols and Organosols at High Shear Rates by Extrusion Viscometer, **08.01**
- D1824-95(2010)** Test Method for Apparent Viscosity of Plastisols and Organosols at Low Shear Rates, **08.01**
- D1825 *Withdrawn 2011; Practice for Etching and Cleaning Copper-Clad Electrical Insulating Materials and Thermosetting Laminates for Electrical Testing*
- D1826-94(2010)** Test Method for Calorific (Heating) Value of Gases in Natural Gas Range by Continuous Recording Calorimeter, **05.06**
- D1827 *Withdrawn 2009; Test Method for Gas Content (Nonacidic) of Insulating Liquids by Displacement with Carbon Dioxide*
- D1828-01(2013)** Practice for Atmospheric Exposure of Adhesive-Bonded Joints and Structures, **15.06**
- D1829 *Withdrawn 2001; Test Method for Electrical Resistance of Ceramic Materials at Elevated Temperatures*
- D1830-99(2012)** Test Method for Thermal Endurance of Flexible Sheet Materials Used for Electrical Insulation by the Curved Electrode Method, **10.01**
- D1831-11** Test Method for Roll Stability of Lubricating Grease, **05.01**
- D1832-04(2009)** Test Method for Peroxide Number of Petroleum Wax, **05.01**
- D1833-87(2012)** Test Method for Odor of Petroleum Wax, **05.01**
- D1834 *Withdrawn 2004; Test Method for 20° Specular Gloss of Waxed Paper*
- D1835-13** Specification for Liquefied Petroleum (LP) Gases, **05.01**
- D1836-07(2013)** Specification for Commercial Hexanes, **06.04**
- D1837-11** Test Method for Volatility of Liquefied Petroleum (LP) Gases, **05.01**
- D1838-12a** Test Method for Copper Strip Corrosion by Liquefied Petroleum (LP) Gases, **05.01**
- D1839-11** Test Method for Amyl Nitrate in Diesel Fuels, **05.01**
- D1840-07(2013)** Test Method for Naphthalene Hydrocarbons in Aviation Turbine Fuels by Ultraviolet Spectrophotometry, **05.01**
- D1841 *Withdrawn 2007; Specification for Distilled Coconut Fatty Acids*
- D1842 *Withdrawn 2007; Specification for Distilled Corn Fatty Acids*
- D1843 *Withdrawn 2007; Specification for Fractionated and Distilled Cottonseed Fatty Acids*
- D1844-86(2008)** Test Methods for Chemical Analysis of Basic Lead Silicochromate, **06.03**
- D1845-86(2008)** Test Methods for Chemical Analysis of Strontium Chromate Pigment, **06.03**
- D1846 *Withdrawn 1966; Method of Test for Water-Soluble Matter in Iron Oxide Pigments by Specific Resistance Method; Combined with D 2448*
- D1847 *Withdrawn 2007; Test Methods for Total Chlorine Content of Epoxy Resins*
- D1848 *Withdrawn 2003; Classification for Reporting Paint Film Failures Characteristic of Exterior Latex Paints*
- D1849-95(2008)** Test Method for Package Stability of Paint, **06.02**
- D1850 *Withdrawn 1991; Specification for Concrete Joint Sealer*
- D1851 *Withdrawn 1991; Methods of Testing Concrete Joint Sealer*
- D1852 *Withdrawn 1991; Specification for Jet-Fuel-Resistant Concrete Joint Sealer, Cold-Applied Elastic Type*
- D1853 *Withdrawn 1991; Methods of Testing Jet-Fuel-Resistant Concrete Joint Sealer for Concrete, Cold-Applied Elastic Type*
- D1854 *Withdrawn 2006; Specification for Jet-Fuel-Resistant Concrete Joint Sealer, Hot-Applied Elastic Type; Replaced by D 7116*
- D1855 *Withdrawn 1996; Test Methods for Jet-Fuel-Resistant Concrete Joint Sealer, Hot-Poured Elastic Type*
- D1856-09** Test Method for Recovery of Asphalt From Solution by Abson Method, **04.03**
- D1857/D1857M-04(2010)** Test Method for Fusibility of Coal and Coke Ash, **05.06**
- D1858 *Withdrawn 2006; Specification for Creosote-Petroleum Solution*
- D1859 *Withdrawn 2006; Specification for Petroleum for Blending with Creosote*
- D1860 *Withdrawn 2006; Test Method for Moisture and Creosote-Type Preservative in Wood*
- D1861 *Withdrawn 1992; Specification for Homogeneous Bituminized Fiber Drain and Sewer Pipe*
- D1862 *Withdrawn 1992; Specification for Laminated-Wall Bituminized Fiber Drain and Sewer Pipe*

- D1863/D1863M-05(2011)**<sup>1</sup> Specification for Mineral Aggregate Used on Built-Up Roofs, **04.04**
- D1864/D1864M-89(2009)**<sup>1</sup> Test Method for Moisture in Mineral Aggregate Used on Built-Up Roofs, **04.04**
- D1865/D1865M-09** Test Method for Hardness of Mineral Aggregate Used on Built-Up Roofs, **04.04**
- D1866 Withdrawn 1991; Test Method for Translucency of Mineral Aggregate Used on Built-Up Roofs*
- D1867-13** Specification for Copper-Clad Thermosetting Laminates for Printed Wiring, **10.01**
- D1868-13** Test Method for Detection and Measurement of Partial Discharge (Corona) Pulses in Evaluation of Insulation Systems, **10.01**
- D1869-95(2010)** Specification for Rubber Rings for Asbestos-Cement Pipe, **09.02**
- D1870 Withdrawn 1998; Practice for Elevated Temperature Aging Using a Tubular Oven*
- D1871-04(2014)** Test Method for Adhesion Between Tire Bead Wire and Rubber, **07.01**
- D1872 Withdrawn 1991; Method of Testing Rubber Chemical—Free 2-Mercaptobenzothiazole in Benzothiazyl Disulfide; Replaced by D5044*
- D1873 Withdrawn 1991; Method of Testing Rubber Chemical—Total 2-Mercaptobenzothiazole in Benzothiazyl Disulfide; Replaced by D1051*
- D1874-62(2010)** Specification for Water- or Solvent-Soluble Liquid Adhesives for Automatic Machine Sealing of Top Flaps of Fiberboard Shipping Cases, **15.10**
- D1875-03(2013)** Test Method for Density of Adhesives in Fluid Form, **15.06**
- D1876-08** Test Method for Peel Resistance of Adhesives (T-Peel Test), **15.06**
- D1877 Withdrawn 1985; Method of Test for Permanence of Adhesive-Bonded Joints in Plywood Under Mold Conditions*
- D1878 Withdrawn 1970; Method of Test for Pressure-Sensitive Tack of Adhesives*
- D1879-06(2014)** Practice for Exposure of Adhesive Specimens to Ionizing Radiation, **15.06**
- D1880 Withdrawn 1975; Recommended Practice for Selection of Engine Antifreezers for Use in Automotive Cooling Systems, Ethylene Glycol and Methanol Types; Replaced by D3306*
- D1881-97(2009)** Test Method for Foaming Tendencies of Engine Coolants in Glassware, **15.05**
- D1882-96(2012)** Test Method for Effect of Cooling System Chemical Solutions on Organic Finishes for Automotive Vehicles, **15.05**
- D1883-07**<sup>2</sup> Test Method for CBR (California Bearing Ratio) of Laboratory-Compacted Soils, **04.08**
- D1884 Withdrawn 1968; Methods of Test for Acidity and Alkalinity of Industrial Water; Replaced by D1067*
- D1885 Withdrawn 1962; Method of Test for Chloride Ion in High-Purity Industrial Water; Combined with D 512*
- D1886-08** Test Methods for Nickel in Water, **11.01**
- D1887 Withdrawn 1962; Method of Test for Sodium in High-Purity Industrial Water by Flame Photometry*
- D1888 Withdrawn 1991; Test Methods for Particulate and Dissolved Matter, Solids, or Residue in Water*
- D1889 Withdrawn 2007; Test Method for Turbidity of Water; Replaced by D6698 and D6855*
- D1890-05(2012)** Test Method for Beta Particle Radioactivity of Water, **11.02**
- D1891 Withdrawn 1971; Method of Test for Hexane-Extractable Matter in Industrial Waste Water*
- D1892 Withdrawn 1987; Specification for Styrene-Butadiene Molding and Extrusion Materials; Replaced by D4549*
- D1893 Withdrawn 1991; Test Method for Blocking of Plastic Film*
- D1894-14** Test Method for Static and Kinetic Coefficients of Friction of Plastic Film and Sheeting, **08.01**
- D1895-96(2010)**<sup>1</sup> Test Methods for Apparent Density, Bulk Factor, and Pourability of Plastic Materials, **08.01**
- D1896/D1896M-10** Practice for Transfer Molding Test Specimens of Thermosetting Compounds, **08.01**
- D1897 Withdrawn 1992; Practice for Injection Molding Test Specimens of Thermoplastic Molding and Extrusion Materials; Replaced by D3641*
- D1898 Withdrawn 1998; Practice for Sampling of Plastics*
- D1899 Withdrawn 1977; Method of Test for Mass Concentration of Particulate Matter in the Atmosphere (Continuous-Measurement Light-Scattering Method)*
- D1900-06(2011)** Practice for Carbon Black—Sampling Bulk Shipments, **09.01**
- D1901-10** Test Method for Relative Evaporation Time of Halogenated, **15.05**
- D1902 Withdrawn 1987; Method of Test for Approximate Acidity and Polar Contamination in Used Mineral Transformer Oil by Spot Tests*
- D1903-08** Practice for Determining the Coefficient of Thermal Expansion of Electrical Insulating Liquids of Petroleum Origin, and Askarels, **10.03**
- D1904 Withdrawn 1969; Method of Test for Oxidation Characteristics of Mineral Transformer Oil*
- D1905 Withdrawn 1978; Method of Test for Dimensional Changes in Laundering of Woven or Knitted Textiles*
- D1906 Withdrawn 1968; Method of Test for Estimation of Effective Gage Length by Evaluation of Clamp Error in Single Fiber Testing*
- D1907/D1907M-12** Test Method for Linear Density of Yarn (Yarn Number) by the Skein Method, **07.01**
- D1908 Withdrawn 1998; Test Method for Needle-Related Damage Due to Sewing in Woven Fabric*
- D1909-13** Standard Tables of Commercial Moisture Regains and Commercial Allowances for Textile Fibers, **07.01**
- D1910 Withdrawn 1982; Methods of Test for Construction Characteristics of Woven Fabrics; Replaced by D3773, D3774, D3775, D3776, D3882, D3883*
- D1911 Withdrawn 1980; Specification for Asbestos-Cement Shingle Blanks to be Used as Panels in Weathering Tests of Exterior Architectural Paints*
- D1912-00(2010)** Test Method for Cold-Crack Resistance of Upholstery Leather, **15.04**
- D1913-00(2010)** Test Method for Resistance to Wetting of Garment-Type Leathers, **15.04**
- D1914-95(2010)** Practice for Conversion Units and Factors Relating to Sampling and Analysis of Atmospheres, **11.07**
- D1915 Withdrawn 1996; Test Method for Chromatographic Analysis of Chemically Refined Cellulose; Replaced by D5896*
- D1916 Withdrawn 2005; Test Method for Penetration of Adhesives*
- D1917-03(2012)** Test Methods for Rubber Property—Shrinkage of Raw and Compounded Hot-Polymerized Styrene-Butadiene Rubber (SBR), **09.01**
- D1918/D1918M-95(2009)**<sup>1</sup> Test Method for Asbestos Content of Asbestos Textiles, **04.05**
- D1919 Withdrawn 1968; Specification for Glass-Fiber Reinforced Thermoset Corrugated Structural Plastics Panel*
- D1920 Withdrawn 1982; Recommended Practice for Determining Light Dosage in Carbon-Arc Light Aging Apparatus*
- D1921-12** Test Methods for Particle Size (Sieve Analysis) of Plastic Materials, **08.01**
- D1922-09** Test Method for Propagation Tear Resistance of Plastic Film and Thin Sheeting by Pendulum Method, **08.01**
- D1923 Withdrawn 1973; Method of Test for Tensile Properties of Thin Plastic Sheeting Using the Inclined Plane Testing Machine*
- D1924 Redesignated G21 - 1969; Recommended Practice for Determining Resistance of Synthetic Polymeric Materials to Fungi*
- D1925 Withdrawn 1995; Test Method for Yellowness Index of Plastics*
- D1926-00(2011)** Test Methods for Carboxyl Content of Cellulose, **06.03**
- D1927 Withdrawn 1994; Specification for Rigid Poly(Vinyl Chloride) Plastic Sheet*
- D1928 Withdrawn 2001; Practice for Preparation of Compression-Molded Polyethylene Test Sheets and Test Specimens; Replaced by D4703*
- D1929-13a** Test Method for Determining Ignition Temperature of Plastics, **08.01**
- D1930 Withdrawn 1986; Specification for Kraft Dielectric Tissue, Capacitor Grade*
- D1931 Withdrawn 2013; Specification for Fully Cured Silicone Rubber-Coated Glass Fabric and Tapes for Electrical Insulation*
- D1932-13** Test Method for Thermal Endurance of Flexible Electrical Insulating Varnishes, **10.01**
- D1933-03(2008)** Specification for Nitrogen Gas as an Electrical Insulating Material, **10.03**
- D1934-95(2012)** Test Method for Oxidative Aging of Electrical Insulating Petroleum Oils by Open-Beaker Method, **10.03**
- D1935 Withdrawn 1985; Method of Test for Steam Emulsion of Electrical Insulating Oils of Petroleum Origin*
- D1936 Withdrawn 1987; Method of Test for Thermal Stability of Chlorinated Aromatic Hydrocarbons (Askarels)*
- D1937-13** Test Method for Carbon Black, Pelleted—Mass Strength, **09.01**
- D1938-08** Test Method for Tear-Propagation Resistance (Trouser Tear) of Plastic Film and Thin Sheeting by a Single-Tear Method, **08.01**
- D1939 Withdrawn 1999; Practice for Determining Residual Stresses in Extruded or Molded Acrylonitrile-Butadiene-Styrene (ABS) Parts by Immersion in Glacial Acetic Acid*
- D1940 Withdrawn 1970; Method of Test for Porosity of Rigid Cellular Plastics*
- D1941-91(2013)** Test Method for Open Channel Flow Measurement of Water with the Parshall Flume, **11.01**
- D1942 Withdrawn 1990; Test Method for Morpholine in Water; Replaced by D4983*
- D1943-05(2012)** Test Method for Alpha Particle Radioactivity of Water, **11.02**
- D1944 Withdrawn 1970; Method of Test for Porosity of Rigid Cellular Plastics*
- D1945-03(2010)** Test Method for Analysis of Natural Gas by Gas Chromatography, **05.06**
- D1946-90(2011)** Practice for Analysis of Reformed Gas by Gas Chromatography, **05.06**
- D1947 Withdrawn 1996; Test Method for Load-Carrying Capacity of Petroleum Oil and Synthetic Fluid Gear Lubricants*
- D1948 Withdrawn 1969; Method of Test for Knock Characteristics of Motor Fuels Above 100 Octane Number by the Motor Method; Replaced by D2700*
- D1949 Withdrawn 1991; Test Method for Separation of Tetraethyllead and Tetramethyllead in Gasoline*
- D1950 Withdrawn 2003; Test Method for Acetone Tolerance of Heat-Bodied Drying Oils*
- D1951 Withdrawn 2003; Test Method for Ash in Drying Oils and Fatty Acids*
- D1952 Withdrawn 2003; Test Method for Quantitative Determination of Break in Drying Oils*
- D1953 Withdrawn 1980; Method of Test for Drying Properties of Drying Oils; Replaced by D1640*
- D1954 Withdrawn 2003; Test Method for Foots in Raw Linseed Oil (Volumetric Method)*
- D1955 Withdrawn 2003; Test Method for Gel Time of Drying Oils*
- D1956 Withdrawn 1975; Method of Test for Heat Bodying Rate of Drying Oils; Replaced by D555*
- D1957 Withdrawn 2007; Test Method for Hydroxyl Value of Fatty Oils and Acids*

- D1958 *Withdrawn 2003; Test Method for Chloroform Insoluble Matter in Oiticica Oil*
- D1959 *Withdrawn 2006; Test Method for Iodine Value of Drying Oils and Fatty Acids*
- D1960 *Withdrawn 2003; Test Method for Loss on Heating of Drying Oils*
- D1961 *Withdrawn 1975; Method of Test for Maleic Diene Value of Drying Oils; Replaced by D1358*
- D1962 *Withdrawn 2004; Test Method for Saponification Value of Drying Oils, Fatty Acids, and Polymerized Fatty Acids*
- D1963 *Withdrawn 2004; Test Method for Specific Gravity of Drying Oils, Varnishes, Resins, and Related Materials at 25/25°C*
- D1964 *Withdrawn 2003; Test Method for Tung Oil Quality*
- D1965 *Withdrawn 2007; Test Method for Unsaponifiable Matter in Drying Oils, Fatty Acids, and Polymerized Fatty Acids*
- D1966 *Withdrawn 2007; Test Method for Fouts in Raw Linseed Oil (Gravimetric Method)*
- D1967 *Withdrawn 2003; Test Method for Measuring Color After Heating of Drying Oils*
- D1968 *Withdrawn 2010; Terminology Relating to Paper and Paper Products*
- D1969-07(2012)** Specification for 2-Ethylhexanol, **06.04**
- D1970/D1970M-13a** Specification for Self-Adhering Polymer Modified Bituminous Sheet Materials Used as Steep Roofing Underlayment for Ice Dam Protection, **04.04**
- D1971-11** Practices for Digestion of Water Samples for Determination of Metals by Flame Atomic Absorption, Graphite Furnace Atomic Absorption, Plasma Emission Spectroscopy, or Plasma Mass Spectrometry, **11.01**
- D1972 *Withdrawn 2014; Practice for Generic Marking of Plastic Products*
- D1973 *Withdrawn 2000; Guide for Design of a Liner System for Containment of Wastes*
- D1974/D1974M-10** Practice for Methods of Closing, Sealing, and Reinforcing Fiberboard Boxes, **15.10**
- D1975-95(2010)** Test Method for Environmental Stress Crack Resistance of Plastic Injection Molded Open Head Pails, **15.10**
- D1976-12** Test Method for Elements in Water by Inductively-Coupled Argon Plasma Atomic Emission Spectroscopy, **11.01**
- D1977-03(2008)** Test Method for Nickel and Vanadium in FCC Equilibrium Catalysts by Hydrofluoric/Sulfuric Acid Decomposition and Atomic Spectroscopic Analysis, **05.05**
- D1978-91(2008)** Guide for Analysis of Electrocoat Bath Samples, **06.01**
- D1979 *Withdrawn 2006; Test Method for Free Formaldehyde Content of Amino Resins*
- D1980 *Withdrawn 2007; Test Method for Acid Value of Fatty Acids and Polymerized Fatty Acids*
- D1981-11** Test Method for Measuring Color After Heating of Tall Oil Fatty Acids, **06.03**
- D1982-85(2009)** Test Method for Titer of Fatty Acids, **06.03**
- D1983 *Withdrawn 2003; Test Method for Fatty Acid Composition by Gas-Liquid Chromatography of Methyl Esters*
- D1984 *Withdrawn 1999; Specification for Tall Oil Fatty Acids*
- D1985-13** Practice for Preparing Concrete Blocks for Testing Sealants, for Joints and Cracks, **04.03**
- D1986-13** Test Method for Determining the Apparent Viscosity of Polyethylene Wax, **15.04**
- D1987-07(2012)** Test Method for Biological Clogging of Geotextile or Soil/Geotextile Filters, **04.13**
- D1988-06(2011)** Test Method for Mercaptans in Natural Gas Using Length-of-Stain Detector Tubes, **05.06**
- D1989 *Withdrawn 2000; Test Method for Gross Calorific Value of Coal and Coke by Microprocessor Controlled Isoperibol Calorimeters; Replaced by D5865*
- D1990-14** Practice for Establishing Allowable Properties for Visually-Graded Dimension Lumber from In-Grade Tests of Full-Size Specimens, **04.10**
- D1991-05(2010)** Test Method for Rubber Chemicals—2-Mercaptobenzothiazole (MBT)—Assay, **09.01**
- D1992-91(2013)** Guide for Testing Synthetic Plasticizers Used in Rubber, **09.01**
- D1993-03(2013)** Test Method for Precipitated Silica-Surface Area by Multipoint BET Nitrogen Adsorption, **09.01**
- D1995-92(2011)** Test Methods for Multi-Modal Strength Testing of Autohesives (Contact Adhesives), **15.06**
- D1996 *Withdrawn 2009; Test Method for Determination of Phenolic Antioxidants and Erucaamide Slip Additives in Low Density Polyethylene Using Liquid Chromatography (LC); Replaced by D6953*
- D1997-13** Test Method for Laboratory Determination of the Fiber Content of Peat Samples by Dry Mass, **04.08**
- D1998-13** Specification for Polyethylene Upright Storage Tanks, **08.01**
- D1999 *Withdrawn 2000; Guide for Selection of Specimens and Test Parameters from ISO/IEC Standards*
- D2000-12** Classification System for Rubber Products in Automotive Applications, **09.02**
- D2001-07(2012)** Test Method for Depentanization of Gasoline and Naphthas, **05.01**
- D2002 *Withdrawn 1998; Practice for Isolation of Representative Saturates Fraction from Low-Olefinic Petroleum Naphthas*
- D2003 *Withdrawn 1998; Test Method for Isolation of Representative Saturates Fraction from High-Olefinic Petroleum Naphthas*
- D2004 *Withdrawn 1984; Method of Test for Modulus of Rupture of Petroleum Wax*
- D2005 *Withdrawn 1986; Method of Test for Sealing Strength of Petroleum Wax*
- D2006 *Withdrawn 1976; Method of Test for Characteristic Groups in Rubber Extender and Processing Oils by the Precipitation Method*
- D2007-11** Test Method for Characteristic Groups in Rubber Extender and Processing Oils and Other Petroleum-Derived Oils by the Clay-Gel Absorption Chromatographic Method, **05.01**
- D2008-12** Test Method for Ultraviolet Absorbance and Absorptivity of Petroleum Products, **05.01**
- D2009 *Withdrawn 1995; Test Method for Evaluation of Engine Oils in Two-Stroke Cycle Turbo-Supercharged 6V92TA Diesel Engine*
- D2010/D2010M-98(2010)** Test Methods for Evaluation of Total Sulfation Activity in the Atmosphere by the Lead Dioxide Technique, **11.07**
- D2011 *Withdrawn 1982; Method for Continuous Analysis and Automatic Recording of the Oxidant Content of the Atmosphere*
- D2012 *Withdrawn 1979; Method for Continuous Measurement of Nitric Oxide, Nitrogen Dioxide, and Ozone in the Atmosphere*
- D2013/D2013M-12** Practice for Preparing Coal Samples for Analysis, **05.06**
- D2014-97(2010)** Test Method for Expansion or Contraction of Coal by the Sole-Heated Oven, **05.06**
- D2015 *Withdrawn 2000; Test Method for Gross Calorific Value of Coal and Coke by the Adiabatic Bomb Calorimeter*
- D2016 *Withdrawn 1989; Methods of Test for Moisture Content of Wood; Replaced by D4442, D4444*
- D2017 *Withdrawn 2014; Test Method of Accelerated Laboratory Test of Natural Decay Resistance of Woods*
- D2018 *Withdrawn 1969; Recommended Practice for Determining Design Stresses for Load-Sharing Lumber Members*
- D2019 *Withdrawn 2010; Test Method for Dirt in Paper and Paperboard*
- D2020 *Withdrawn 2009; Test Methods for Mildew (Fungus) Resistance of Paper and Paperboard*
- D2021 *Withdrawn 2000; Specification for Neutral Detergent, 40 Percent Alkylbenzene Sulfonate Type*
- D2022-89(2008)** Test Methods of Sampling and Chemical Analysis of Chlorine-Containing Bleaches, **15.04**
- D2023-89(2009)** Test Method of Analysis for Sodium Toluene Sulfonate in Detergents, **15.04**
- D2024-09** Test Method for Cloud Point of Nonionic Surfactants, **15.04**
- D2025 *Redesignated F37 - 1962; Method of Test for Sealability of Gasket Materials*
- D2026/D2026M-97(2010)<sup>1</sup>** Specification for Cutback Asphalt (Slow-Curing Type), **04.03**
- D2027/D2027M-13** Specification for Cutback Asphalt (Medium-Curing Type), **04.03**
- D2028/D2028M-10** Specification for Cutback Asphalt (Rapid-Curing Type), **04.03**
- D2029-97(2008)** Test Methods for Water Vapor Content of Electrical Insulating Gases by Measurement of Dew Point, **10.03**
- D2030 *Withdrawn 2003; Test Method for Water Solubility of Refined Pyridine*
- D2031 *Withdrawn 2003; Test Method for Reducing Substances in Refined Pyridine*
- D2032 *Withdrawn 1987; Specification for Deuterium Oxide*
- D2033 *Withdrawn 1987; Method of Test for Consumption of Potassium Permanganate by Impurities in Deuterium Oxide*
- D2034 *Withdrawn 1983; Methods of Open Channel Flow Measurement of Water and Waste Water by Weirs*
- D2035-13** Practice for Coagulation-Flocculation Jar Test of Water, **11.02**
- D2036-09** Test Methods for Cyanides in Water, **11.02**
- D2037 *Withdrawn 1981; Method of Test for Evaluating Inhibitory Toxicity of Water to Diatoms*
- D2038 *Withdrawn 1989; Method for Radioactive Barium in Water*
- D2039 *Withdrawn 1988; Method of Test for Radioactive Manganese in Industrial Water and Industrial Waste Water*
- D2040 *Withdrawn 1970; Method of Test for Strontium 90 in Industrial Water and Industrial Waste Water*
- D2041/D2041M-11** Test Method for Theoretical Maximum Specific Gravity and Density of Bituminous Paving Mixtures, **04.03**
- D2042-09** Test Method for Solubility of Asphalt Materials in Trichloroethylene, **04.03**
- D2043 *Withdrawn 2010; Test Method for Silver Tarnishing by Paper*
- D2044 *Withdrawn 1980; Method of Test for Moisture in Paper and Paperboard by Toluene Distillation*
- D2045 *Withdrawn 1971; Method of Test for Water Absorptiveness of Nonbulbous Paper and Paperboard (COBB Test)*
- D2046 *Withdrawn 1969; Method of Test for Nonvolatile Matter (Total Solids) in Solvent-Board Waxes; Replaced by D2834*
- D2047-11** Test Method for Static Coefficient of Friction of Polish-Coated Flooring Surfaces as Measured by the James Machine, **15.04**
- D2048-10** Test Method for Powdering of Floor Polish Films, **15.04**
- D2049 *Withdrawn 1984; Test Method for Relative Density of Cohesionless Soils; Replaced by D4253, D4254*
- D2050-11** Terminology Relating to Fasteners and Closures Used with Textiles, **07.01**
- D2051-14** Test Method for Durability of Finish of Zippers to Laundering, **07.01**
- D2052-05(2010)** Test Method for Colorfastness of Zippers to Drycleaning, **07.01**
- D2053-99(2010)** Test Method for Colorfastness of Zippers to Light, **07.01**
- D2054-99(2010)** Test Method for Colorfastness of Zipper Tapes to Crocking, **07.01**
- D2055 *Withdrawn 1976; Method of Test for Colorfastness of Zipper Tapes to Perspiration*

- D2056 *Withdrawn 1970; Method of Test for Resistance of Finish of Zippers to Dry Abrasion*
- D2057-05(2010) Test Method for Colorfastness of Zippers to Laundering, **07.01**
- D2058-03(2014) Test Method for Durability of Finish of Zippers to Drycleaning, **07.01**
- D2059/D2059M-03(2014) Test Method for Resistance of Zippers to Salt Spray (Fog), **07.01**
- D2060-14 Test Methods for Measuring Zipper Dimensions, **07.01**
- D2061-07(2013) Test Methods for Strength Tests for Zippers, **07.01**
- D2062-03(2014) Test Methods for Operability of Zippers, **07.01**
- D2063/D2063M-10(2012) Test Methods for Measurement of Torque Retention for Packages with Continuous Thread Closures Using Non-Automated (Manual) Torque Testing Equipment, **15.10**
- D2064-91(2012) Test Method for Print Resistance of Architectural Paints, **06.02**
- D2065-03(2011) Test Method for Determination of Edge Performance of Composite Wood Products Under Surfactant Accelerated Moisture Stress, **06.02**
- D2066-07(2012) Test Methods for Relative Tinting Strength of Paste-Type Printing Ink Dispersions, **06.02**
- D2067-97(2013) Test Method for Coarse Particles in Printing Ink Dispersions, **06.02**
- D2068-13 Test Method for Determining Filter Blocking Tendency, **05.01**
- D2069 *Withdrawn 2003; Specification for Marine Fuels*
- D2070-91(2010) Test Method for Thermal Stability of Hydraulic Oils, **05.01**
- D2071 *Withdrawn 2007; Test Methods for Fatty Nitrogen Products*
- D2072 *Withdrawn 2007; Test Method for Water in Fatty Nitrogen Compounds*
- D2073 *Withdrawn 2007; Test Methods for Total, Primary, Secondary, and Tertiary Amine Values of Fatty Amines, Amidoamines, and Diamines by Referee Potentiometric Method*
- D2074-07(2013) Test Methods for Total, Primary, Secondary, and Tertiary Amine Values of Fatty Amines by Alternative Indicator Method, **06.03**
- D2075 *Withdrawn 2007; Test Method for Iodine Value of Fatty Amines, Amidoamines, and Diamines*
- D2076 *Withdrawn 2007; Test Methods for Acid Value and Amine Value of Fatty Quaternary Ammonium Chlorides*
- D2077 *Withdrawn 2007; Test Method for Ash in Fatty Quaternary Ammonium Chlorides*
- D2078 *Withdrawn 2003; Test Method for Iodine Value of Fatty Quaternary Ammonium Chlorides*
- D2079 *Withdrawn 2007; Test Method for Nonvolatile Matter (Solids) in Fatty Quaternary Ammonium Chlorides*
- D2080 *Withdrawn 2007; Test Method for Average Molecular Weight of Fatty Quaternary Ammonium Chlorides*
- D2081 *Withdrawn 2007; Test Method for pH of Fatty Quaternary Ammonium Chlorides*
- D2082 *Withdrawn 2007; Test Method for Percent of Non-Amines in Fatty Nitrogen Compounds*
- D2083 *Withdrawn 2007; Test Method for Calculation of Percent of Primary, Secondary, and Tertiary Amines in Fatty Amines*
- D2084-11 Test Method for Rubber Property—Vulcanization Using Oscillating Disk Cure Meter, **09.01**
- D2085 *Withdrawn 2006; Test Method for Determining Chloride Used in Calculating Pentachlorophenol in Solutions or Wood (Lime Ignition Method)*
- D2086-08(2012) Test Method for Acidity in Vinyl Acetate and Acetaldehyde, **06.04**
- D2087-06(2012) Test Method for Iron in Formaldehyde Solutions, **06.04**
- D2088 *Withdrawn 1979; Method for Determination of Low Concentrations of Lead in Paint; Replaced by D3335*
- D2089 *Withdrawn 1984; Method of Test for Water-Soluble Matter in White Pigments by Specific Resistance Method; Combined with D 2448*
- D2090 *Withdrawn 2007; Test Method for Clarity and Cleanness of Paint and Ink Liquids*
- D2091-96(2011) Test Method for Print Resistance of Lacquers, **06.02**
- D2092 *Withdrawn 2008; Guide for Preparation of Zinc-Coated (Galvanized) Steel Surfaces for Painting; Replaced by D6386 and D7396*
- D2093-03(2011) Practice for Preparation of Surfaces of Plastics Prior to Adhesive Bonding, **15.06**
- D2094-00(2014) Practice for Preparation of Bar and Rod Specimens for Adhesion Tests, **15.06**
- D2095-96(2008) Test Method for Tensile Strength of Adhesives by Means of Bar and Rod Specimens, **15.06**
- D2096-11 Test Method for Colorfastness and Transfer of Color in the Washing of Leather, **15.04**
- D2097-03(2010) Test Method for Flex Testing of Finish on Upholstery Leather, **15.04**
- D2098-13 Test Method for Dynamic Water Resistance of Shoe Upper Leather by the Dow Corning Leather Tester, **15.04**
- D2099-14 Test Method for Dynamic Water Resistance of Shoe Upper Leather by the Maeser Water Penetration Tester, **15.04**
- D2100/D2100M-95(2009)<sup>\*1</sup> Specification for Asbestos Textiles Used for Electrical Insulating Purposes, **04.05**
- D2101 *Withdrawn 1995; Test Method for Tensile Properties of Single Man-Made Textile Fibers Taken from Yarns and Tows*
- D2102-02(2012)<sup>\*1</sup> Test Method for Shrinkage of Textile Fibers (Bundle Test), **07.01**
- D2103-10 Specification for Polyethylene Film and Sheeting, **08.01**
- D2104 *Withdrawn 2010; Specification for Polyethylene (PE) Plastic Pipe, Schedule 40*
- D2105-01(2014) Test Method for Longitudinal Tensile Properties of "Fiberglass" (Glass-Fiber-Reinforced Thermosetting-Resin) Pipe and Tube, **08.03**
- D2106-07(2012) Test Methods for Determination of Amine Acid Acceptance (Alkalinity) of Halogenated Organic Solvents, **15.05**
- D2107 *Withdrawn 1975; Method of Test for Nonamine Acid Acceptance of Halogenated Organic Solvent, Decreasing Grade (Reflux Method)*
- D2108-10 Test Method for Color of Halogenated Organic Solvents and, **15.05**
- D2109-01(2011) Test Methods for Nonvolatile Matter in Halogenated Organic, **15.05**
- D2110-00(2012) Test Method for pH of Water Extractions of Halogenated Organic Solvents and Their Admixtures, **15.05**
- D2111-10 Test Methods for Specific Gravity and Density of Halogenated Organic, **15.05**
- D2112-01a(2007) Test Method for Oxidation Stability of Inhibited Mineral Insulating Oil by Pressure Vessel, **10.03**
- D2113-08 Practice for Rock Core Drilling and Sampling of Rock for Site Investigation, **04.08**
- D2114 *Withdrawn 1970; Specification for Rigid Poly(Vinyl Chloride-Vinyl Acetate) Compounds; Replaced by D1784*
- D2115-10 Practice for Oven Heat Stability of Poly(Vinyl Chloride) Compositions, **08.01**
- D2116-07(2012) Specification for FEP-Fluorocarbon Molding and Extrusion Materials, **08.01**
- D2117 *Withdrawn 1994; Test Method for Melting Point of Semicrystalline Polymers by the Hot Stage Microscopy Method*
- D2118-05(2009) Practice for Assigning a Standard Commercial Moisture Content for Wool and Its Products, **07.01**
- D2119-09 Test Method for Aldehydes in Styrene Monomer, **06.04**
- D2120 *Withdrawn 1992; Test Method for Inhibitor, p-tert-Butylcatechol, in Styrene Monomer*
- D2121-07 Test Methods for Polymer Content of Styrene Monomer and AMS ( $\alpha$ -Methylstyrene), **06.04**
- D2122-98(2010) Test Method for Determining Dimensions of Thermoplastic Pipe and Fittings, **08.04**
- D2123 *Withdrawn 1989; Specification for Rigid Poly(Vinyl Chloride-Vinyl Acetate) Plastic Sheet*
- D2124-99(2011) Test Method for Analysis of Components in Poly(Vinyl Chloride) Compounds Using an Infrared Spectrophotometric Technique, **08.01**
- D2125 *Withdrawn 1971; Specification for Cellular Polystyrene*
- D2126-09 Test Method for Response of Rigid Cellular Plastics to Thermal and Humid Aging, **08.01**
- D2127 *Withdrawn 1970; Method of Test for Water Absorption of Rigid Cellular Plastics; Replaced by D2842*
- D2128 *Withdrawn 1986; Specification for Rubberized Curled Hair*
- D2129-05(2010) Test Method for Color of Clear Electrical, **10.03**
- D2130-13 Test Method for Diameter of Wool and Other Animal Fibers by Microprojection, **07.01**
- D2131-97(2008)<sup>\*1</sup> Classification for Natural Muscovite Mica Splittings, **10.01**
- D2132-12 Test Method for Dust-and-Fog Tracking and Erosion Resistance of Electrical Insulating Materials, **10.01**
- D2133 *Withdrawn 1986; Specification for Acetal Resin Injection Molding and Extrusion Materials*
- D2134-93(2012) Test Method for Determining the Hardness of Organic Coatings with a Sward-Type Hardness Rocker, **06.01**
- D2135 *Withdrawn 1989; Classification of Hard Rubbers*
- D2136-02(2012) Test Method for Coated Fabrics—Low-Temperature Bend Test, **09.01**
- D2137-11 Test Methods for Rubber Property—Brittleness Point of Flexible Polymers and Coated Fabrics, **09.01**
- D2138 *Withdrawn 1990; Test Method for Rubber Property—Adhesion to Textile Cord; Replaced by D4776, D4777*
- D2139 *Redesignated F38*
- D2140-08 Practice for Calculating Carbon-Type Composition of Insulating Oils of Petroleum Origin, **10.03**
- D2141 *Withdrawn 1982; Method of Test for Adhesion Ratio of Polyethylene Film*
- D2142 *Withdrawn 1967; Method of Test for Rapid Estimation of Staple Length of Wool Tops*
- D2143-00(2010) Test Method for Cyclic Pressure Strength of Reinforced, Thermosetting Plastic Pipe, **08.03**
- D2144-07(2013) Practices for Examination of Electrical Insulating Oils by Infrared Absorption, **10.03**
- D2145 *Withdrawn 1979; Method of Test for Phenol Content of Phenol-Water Mixtures*
- D2146 *Withdrawn 1986; Specification for Propylene Plastic Molding and Extrusion Materials; Replaced by D4101*
- D2147 *Withdrawn 1979; Method of Test for Detection and Estimation of Water-Insoluble Impurities in Refined Phenol by Cloud Point Depression*
- D2148-13 Test Methods for Bondable Silicone Rubber Tapes Used for Electrical Insulation, **10.01**
- D2149-13 Test Method for Permittivity (Dielectric Constant) And Dissipation Factor of Solid Dielectrics At Frequencies To 10 MHz And Temperatures To 500°C, **10.01**
- D2150 *Withdrawn 1987; Specification for Woven Roving Glass Fabric for Polyester-Glass Laminates; Replaced by D4357*
- D2151 *Withdrawn 2003; Practice for Staining of Poly(Vinyl Chloride)*

*Compositions by Rubber Compounding Ingredients*

- D2152-13** Test Method for Adequacy of Fusion of Extruded Poly(Vinyl Chloride) (PVC) Pipe and Molded Fittings by Acetone Immersion, **08.04**
- D2153** *Withdrawn 1976; Recommended Practice for Calculating Stress in Plastic Pipe Under Internal Pressure*
- D2154** *Withdrawn 1975; Specification for Special Duty Propane; Replaced by D1835*
- D2155-12** Test Method for Determination of Fire Resistance of Aircraft Hydraulic Fluids by Autoignition Temperature, **05.01**
- D2156-09(2013)** Test Method for Smoke Density in Flue Gases from Burning Distillate Fuels, **05.01**
- D2157-94(2013)** Test Method for Effect of Air Supply on Smoke Density in Flue Gases from Burning Distillate Fuels, **05.01**
- D2158-11** Test Method for Residues in Liquefied Petroleum (LP) Gases, **05.01**
- D2159** *Withdrawn 1998; Test Method for Naphthenes in Saturates Fractions by Refractivity Intercept*
- D2160** *Withdrawn 1997; Test Method for Thermal Stability of Hydraulic Fluids*
- D2161-10** Practice for Conversion of Kinematic Viscosity to Saybolt Universal Viscosity or to Saybolt Furol Viscosity, **05.01**
- D2162-13** Practice for Basic Calibration of Master Viscometers and Viscosity Oil Standards, **05.01**
- D2163-07** Test Method for Determination of Hydrocarbons in Liquefied Petroleum (LP) Gases and Propane/Propene Mixtures by Gas Chromatography, **05.01**
- D2164** *Withdrawn 2005; Methods of Testing Structural Insulating Roof Deck*
- D2165-94(2012)<sup>1</sup>** Test Method for pH of Aqueous Extracts of Wool and Similar Animal Fibers, **07.01**
- D2166/D2166M-13** Test Method for Unconfined Compressive Strength of Cohesive Soil, **04.08**
- D2167-08** Test Method for Density and Unit Weight of Soil in Place by the Rubber Balloon Method, **04.08**
- D2168-10** Practices for Calibration of Laboratory Mechanical-Rammer Soil Compactors, **04.08**
- D2169** *Withdrawn 1975; Method of Test for Odor in Casein*
- D2170/D2170M-10** Test Method for Kinematic Viscosity of Asphalts (Bitumens), **04.03**
- D2171/D2171M-10** Test Method for Viscosity of Asphalts by Vacuum Capillary Viscometer, **04.03**
- D2172/D2172M-10** Test Methods for Quantitative Extraction of Bitumen From Bituminous Paving Mixtures, **04.03**
- D2173** *Withdrawn 1984; Method of Test for Arsenic in Paper and Paperboard*
- D2174** *Withdrawn 1972; Method of Test for Tensile Energy Absorption of Paper*
- D2175** *Withdrawn 2010; Test Method Book Bulk and Book Bulking Number of Paper*
- D2176** *Withdrawn 2010; Test Method for Folding Endurance of Paper by the M.I.T. Tester*
- D2177** *Withdrawn 2009; Test Method for Ink Absorption of Blotting Paper*
- D2178** *Withdrawn 2013; Specification for Asphalt Glass Felt Used in Roofing and Waterproofing*
- D2178/D2178M-13a** Specification for Asphalt Glass Felt Used in Roofing and Waterproofing, **04.04**
- D2179** *Withdrawn 2000; Specification for Combination Bar Soap*
- D2180-89(2008)** Test Method for Active Oxygen in Bleaching Compounds, **15.04**
- D2181** *Withdrawn 1969; Specification for Vinyl Acetate Resin Emulsion Adhesive*
- D2182** *Withdrawn 1984; Method of Test for Strength Properties of Metal-to-Metal Adhesives by Compression Loading (Disk Shear)*
- D2183** *Withdrawn 1991; Test Method for Flow Properties of Adhesives*
- D2184** *Withdrawn 1987; Method of Testing Deuterium Oxide*
- D2185** *Withdrawn 1970; Method of Test for Radioactive Cobalt in Industrial Water and Industrial Waste Water*
- D2186-05(2009)** Test Methods for Deposit-Forming Impurities in Steam, **11.02**
- D2187-94(2009)<sup>1</sup>** Test Methods for Physical and Chemical Properties of Particulate Ion-Exchange Resins, **11.02**
- D2188** *Withdrawn 1984; Recommended Practice for Statistical Design in Interlaboratory Testing of Plastics; Replaced by E691*
- D2189** *Withdrawn 1975; Specification for Acetaldehyde*
- D2190-07(2013)** Specification for Vinyl Acetate, **06.04**
- D2191-06(2012)** Test Method for Acetaldehyde Content of Vinyl Acetate, **06.04**
- D2192-06(2012)** Test Method for Purity of Aldehydes and Ketones, **06.04**
- D2193-06(2012)** Test Method for Hydroquinone in Vinyl Acetate, **06.04**
- D2194-02(2012)** Test Method for Concentration of Formaldehyde Solutions, **06.04**
- D2195** *Withdrawn 2011; Test Methods for Pentaerythritol*
- D2196-10** Test Methods for Rheological Properties of Non-Newtonian Materials by Rotational (Brookfield type) Viscometer, **06.01**
- D2197-13** Test Method for Adhesion of Organic Coatings by Scrape Adhesion, **06.01**
- D2198** *Withdrawn 2003; Test Method for Stain Removal From Multicolor Lacquers*
- D2199-03(2013)** Test Method for Measurement of Plasticizer Migration From Vinyl Fabrics to Lacquers, **06.02**
- D2200-13** Practice for Use of Pictorial Surface Preparation Standards and Guides for Painting Steel Surfaces, **06.02**
- D2201-99(2011)** Practice for Preparation of Zinc-Coated and Zinc-Alloy-Coated Steel Panels for Testing Paint and Related Coating Products, **06.01**
- D2202-00(2010)** Test Method for Slump of Sealants, **04.07**
- D2203-01(2011)** Test Method for Staining from Sealants, **04.07**
- D2204** *Withdrawn 1976; Method of Test for Perspiration Resistance of Organic Coatings*
- D2205-85(2010)** Guide for Selection of Tests for Traffic Paints, **06.02**
- D2206** *Withdrawn 1980; Test Method for Low Quantities of Mercury in Paint; Replaced by D3624*
- D2207-00(2010)** Test Method for Bursting Strength of Leather by the Ball Method, **15.04**
- D2208-00(2010)** Test Method for Breaking Strength of Leather by the Grab Method, **15.04**
- D2209-00(2010)** Test Method for Tensile Strength of Leather, **15.04**
- D2210-13** Test Method for Grain Crack and Extension of Leather by the Mullen Test, **15.04**
- D2211-00(2010)** Test Method for Elongation of Leather, **15.04**
- D2212-00(2010)** Test Method for Slit Tear Resistance of Leather, **15.04**
- D2213-00(2010)** Test Method for Compressibility of Leather, **15.04**
- D2214** *Withdrawn 2008; Test Method for Estimating the Thermal Conductivity of Leather with the Cenco-Fitch Apparatus; Replaced by D7340*
- D2215** *Withdrawn 1975; Method of Test for Total Fat in Casein and Isolated Soy Protein*
- D2216-10** Test Methods for Laboratory Determination of Water (Moisture) Content of Soil and Rock by Mass, **04.08**
- D2217** *Withdrawn 2007; Practice for Wet Preparation of Soil Samples for Particle-Size Analysis and Determination of Soil Constants*
- D2218-67(2012)** Specification for Molybdate Orange Pigments, **06.03**
- D2219-11** Specification for Poly(Vinyl Chloride) Insulation for Wire and Cable, 60C Operation, **10.01**
- D2220-11** Specification for Poly(Vinyl Chloride) Insulation for Wire and Cable, 75°C Operation, **10.01**
- D2221-01(2010)** Test Method for Creep Properties of Package Cushioning Materials, **15.10**
- D2222-13** Test Method for Methanol Extract of Vinyl Chloride Resins, **08.01**
- D2223** *Withdrawn 1993; Test Method for Oxygen Impurity in Nitrogen (Electrochemical Method)*
- D2224** *Withdrawn 1989; Test Method for Mean Molecular Weight of Mineral Insulating Oils by the Cryoscopic Method*
- D2225-04(2012)** Test Methods for Silicone Fluids Used for Electrical Insulation, **10.03**
- D2226-93(2012)** Classification for Various Types of Petroleum Oils for Rubber Compounding Use, **09.01**
- D2227-96(2011)** Specification for Natural Rubber (NR) Technical Grades, **09.01**
- D2228-04(2009)** Test Method for Rubber Property—Relative Abrasion Resistance by Pico Abrader Method, **09.01**
- D2229-10(2014)** Test Method for Adhesion Between Steel Tire Cords and Rubber, **07.01**
- D2230-96(2012)** Test Method for Rubber Property—Extrudability of Unvulcanized Compounds, **09.01**
- D2231** *Withdrawn 1998; Practice for Rubber Properties in Forced Vibration; Replaced by D5992*
- D2232** *Withdrawn 1995; Test Method for Evaporation Residue of Naphthalene*
- D2233** *Withdrawn 2003; Specification for Chlorinated Aromatic Hydrocarbons (Askarels) for Capacitors*
- D2234/D2234M-10** Practice for Collection of a Gross Sample of Coal, **05.06**
- D2235-04(2011)** Specification for Solvent Cement for Acrylonitrile-Butadiene-Styrene (ABS) Plastic Pipe and Fittings, **08.04**
- D2236** *Withdrawn 1985; Method of Test for Dynamic Mechanical Properties of Plastics by Means of a Torsional Pendulum; Replaced by D4065*
- D2237** *Withdrawn 1989; Method of Test for Rate-of-Rise (Volume Increase) Properties of Urethane Foaming Systems*
- D2238-92(2012)<sup>1</sup>** Test Methods for Absorbance of Polyethylene Due to Methyl Groups, **08.01**
- D2239-12a** Specification for Polyethylene (PE) Plastic Pipe (SIDR-PR) Based on Controlled Inside Diameter, **08.04**
- D2240-05(2010)** Test Method for Rubber Property—Durometer Hardness, **09.01**
- D2241-09** Specification for Poly(Vinyl Chloride) (PVC) Pressure-Rated Pipe (SDR Series), **08.04**
- D2242** *Withdrawn 1971; Specification for Weathered Heavily Chalked Paint Panels for Use in Weathering Tests of Latex Paints*
- D2243-95(2008)** Test Method for Freeze-Thaw Resistance of Water-Borne Coatings, **06.02**
- D2244-11** Practice for Calculation of Color Tolerances and Color Differences from Instrumentally Measured Color Coordinates, **06.01**
- D2245-90(2011)** Test Method for Identification of Oils and Oil Acids in Solvent-Reducible Paints, **06.01**
- D2246** *Withdrawn 1992; Test Method for Finishes on Primed Metallic Substrates for Humidity-Thermal Cycle Cracking*
- D2247-11** Practice for Testing Water Resistance of Coatings in 100% Relative Humidity, **06.01**
- D2248-01a(2013)** Practice for Detergent Resistance of Organic Finishes, **06.01**
- D2249** *Withdrawn 2002; Test Method for Predicting the Effect of Weathering on Face Glazing and Bedding Compounds on Metal Sash*
- D2250** *Withdrawn 1986; Method of Test for Physical and Electrical Breakdown of Insulating Materials by Halogenated Organic Solvents and Their Admixtures*
- D2251-10** Test Method for Metal Corrosion by Halogenated Organic, **15.05**
- D2252-05(2009)** Specification for Fineness of Types of Alpaca, **07.01**



- D2253 *Withdrawn 1995; Test Method for Color of Raw Cotton Using the Nickerson-Hunter Cotton Colorimeter*
- D2254 *Withdrawn 1970; Method of Test for Non-Lint Content of Cotton (SRRL Non-Lint Tester Method); Replaced by D2812*
- D2255/D2255M-09(2013) Test Method for Grading Spun Yarns for Appearance, **07.01**
- D2256/D2256M-10<sup>1</sup> Test Method for Tensile Properties of Yarns by the Single-Strand Method, **07.01**
- D2257-98(2012) Test Method for Extractable Matter in Textiles, **07.01**
- D2258-99(2012) Practice for Sampling Yarn for Testing, **07.01**
- D2259-02(2011) Test Method for Shrinkage of Yarns, **07.01**
- D2260-03(2013) Tables of Conversion Factors and Equivalent Yarn Numbers Measured in Various Numbering Systems, **07.01**
- D2261-13 Test Method for Tearing Strength of Fabrics by the Tongue (Single Rip) Procedure (Constant-Rate-of-Extension Tensile Testing Machine), **07.01**
- D2262 *Withdrawn 1995; Test Method for Tearing Strength of Woven Fabrics by the Tongue (Single Rip) Method (Constant-Rate-of-Traverse Tensile Testing Machine)*
- D2263 *Withdrawn 1976; Methods of Testing Automotive Fabrics*
- D2264 *Withdrawn 1971; Recommended Practice for Calculating Number of Tests to be Specified in Determining Average Quality of a Textile Material; Replaced by D2905*
- D2265-06 Test Method for Dropping Point of Lubricating Grease Over Wide Temperature Range, **05.01**
- D2266-01(2008) Test Method for Wear Preventive Characteristics of Lubricating Grease (Four-Ball Method), **05.01**
- D2267 *Withdrawn 1992; Test Methods for Aromatics in Light Naphthas, and Aviation Gasolines by Gas Chromatography; Replaced by D4420*
- D2268-93(2013) Test Method for Analysis of High-Purity n-Heptane and Isooctane by Capillary Gas Chromatography, **05.01**
- D2269-10 Test Method for Evaluation of White Mineral Oils by Ultraviolet Absorption, **05.01**
- D2270-10<sup>1</sup> Practice for Calculating Viscosity Index from Kinematic Viscosity at 40 and 100°C, **05.01**
- D2271 *Withdrawn 2004; Test Method for Preliminary Examination of Hydraulic Fluids (Wear Test)*
- D2272-11 Test Method for Oxidation Stability of Steam Turbine Oils by Rotating Pressure Vessel, **05.01**
- D2273-08(2012) Test Method for Trace Sediment in Lubricating Oils, **05.01**
- D2274-10 Test Method for Oxidation Stability of Distillate Fuel Oil (Accelerated Method), **05.01**
- D2275-01(2008)<sup>1</sup> Test Method for Voltage Endurance of Solid Electrical Insulating Materials Subjected to Partial Discharges (Corona) on the Surface, **10.01**
- D2276-06 Test Method for Particulate Contaminant in Aviation Fuel by Line Sampling, **05.01**
- D2277 *Withdrawn 1992; Specification for Fiberboard Nail-Base Sheathing*
- D2278-06 Test Method for Field Evaluation of Wood Preservatives in Round Post-Size Specimens, **04.10**
- D2279 *Withdrawn 1982; Method of Test for Acid Wash Color of Refined Naphthalene*
- D2280 *Withdrawn 1977; Method of Test for Color of Phthalic Anhydride in the Molten State and After Heating; Replaced by D3366*
- D2281-10 Test Method for Evaluation of Wetting Agents by the Skein Test, **15.04**
- D2282 *Withdrawn 2006; Specification for Acrylonitrile-Butadiene-Styrene (ABS) Plastic Pipe*
- D2283 *Withdrawn 2004; Specification for Chlorinated Aromatic Hydrocarbons (Askarels) for Transformers*
- D2284-11 Test Method for Acidity of Sulfur Hexafluoride, **10.03**
- D2285 *Withdrawn 2008; Test Method for Interfacial Tension of Electrical Insulating Oils of Petroleum Origin Against Water by the Drop-Weight Method*
- D2286 *Withdrawn 1981; Recommended Practices for Sampling and Handling Phenol; Replaced by D3852*
- D2287-12 Specification for Nonrigid Vinyl Chloride Polymer and Copolymer Molding and Extrusion Compounds, **08.01**
- D2288 *Withdrawn 2010; Test Method for Weight Loss of Plasticizers on Heating*
- D2289 *Withdrawn 1992; Test Method for Tensile Properties of Plastics at High Speeds*
- D2290-12 Test Method for Apparent Hoop Tensile Strength of Plastic or Reinforced Plastic Pipe, **08.04**
- D2291-09 Practice for Fabrication of Ring Test Specimens for Glass-Resin Composites, **08.01**
- D2292 *Withdrawn 1993; Recommended Practice for Compression Molding Test Specimens of Styrene-Butadiene Molding and Extrusion Materials; Replaced by D4703*
- D2293-96(2008) Test Method for Creep Properties of Adhesives in Shear by Compression Loading (Metal-to-Metal), **15.06**
- D2294-96(2008) Test Method for Creep Properties of Adhesives in Shear by Tension Loading (Metal-to-Metal), **15.06**
- D2295-96(2008) Test Method for Strength Properties of Adhesives in Shear by Tension Loading at Elevated Temperatures (Metal-to-Metal), **15.06**
- D2296-01(2006) Specification for Continuity of Quality of Electrical Insulating Polybutene Oil for Capacitors, **10.03**
- D2297 *Withdrawn 1990; Specification for Continuity of Quality of Electrical Insulating Mineral Oil for Capacitors and Cable Accessories*
- D2298 *Withdrawn 1987; Method of Test for Stability of Insulating Oils Under Electrical Stress (Merrell Test)*
- D2299 *Withdrawn 1992; Recommended Practice for Determining Relative Stain Resistance of Plastics*
- D2300-08 Test Method for Gassing of Electrical Insulating Liquids Under Electrical Stress and Ionization (Modified Pirelli Method), **10.03**
- D2301-10 Specification for Vinyl Chloride Plastic Pressure-Sensitive Electrical Insulating Tape, **10.01**
- D2302 *Withdrawn 1982; Method of Test for Differential Wet Tracking Resistance of Electrical Insulating Materials with Controlled Water-to-Metal Discharges*
- D2303-13 Test Methods for Liquid-Contaminant, Inclined-Plane Tracking and Erosion of Insulating Materials, **10.01**
- D2304-10 Test Method for Thermal Endurance of Rigid Electrical Insulating Materials, **10.01**
- D2305-10 Test Methods for Polymeric Films Used for Electrical Insulation, **10.01**
- D2306 *Withdrawn 2006; Test Method for C<sub>8</sub> Aromatic Hydrocarbon Analysis by Gas Chromatography*
- D2307-07a(2013) Test Method for Thermal Endurance of Film-Insulated Round Magnet Wire, **10.02**
- D2308-07(2013) Specification for Thermoplastic Polyethylene Jacket for Electrical Wire and Cable, **10.01**
- D2309 *Withdrawn 1982; Tests for Rubber Property—Compression Set Induced by Nuclear Radiation*
- D2310-06(2012) Classification for Machine-Made “Fiberglass” (Glass-Fiber-Reinforced Thermosetting-Resin) Pipe, **08.03**
- D2311 *Withdrawn 1992; Specification for Perforated, Homogeneous Bituminized Fiber Drain and Sewer Pipe*
- D2312 *Withdrawn 1992; Specification for Perforated, Homogeneous Bituminized Fiber Drain and Sewer Pipe for Septic Tank Disposal Fields*
- D2313 *Withdrawn 1992; Specification for Perforated, Laminated-Wall Bituminized Fiber Drain and Sewer Pipe for Septic Tank Disposal Fields*
- D2314 *Withdrawn 1992; Methods of Testing Homogeneous Bituminized Fiber Pipe*
- D2315 *Withdrawn 1992; Methods of Testing Laminated-Wall Bituminized Fiber Pipe*
- D2316 *Withdrawn 1992; Recommended Practice for Installing Bituminized Fiber Drain and Sewer Pipe*
- D2317 *Withdrawn 1982; Method of Test for Benzene Insoluble (BI) Content of Tar and Pitch*
- D2318-98(2013) Test Method for Quinoline-Insoluble (QI) Content of Tar and Pitch, **05.01**
- D2319/D2319M-98(2013) Test Method for Softening Point of Pitch (Cube-in-Air Method), **05.01**
- D2320-98(2012) Test Method for Density (Relative Density) of Solid Pitch (Pycnometer Method), **05.01**
- D2321-11 Practice for Underground Installation of Thermoplastic Pipe for Sewers and Other Gravity-Flow Applications, **08.04**
- D2322-14 Test Method for Resistance of Shoe Upper Leather to Artificial Perspiration, **15.04**
- D2323 *Withdrawn 2003; Specification for Refined Pyridine (1 Degree)*
- D2324 *Withdrawn 1993; Test Method for Carbon Disulfide in Benzene*
- D2325 *Withdrawn 2007; Test Method for Capillary-Moisture Relationships for Coarse- and Medium-Textured Soils by Porous-Plate Apparatus; Replaced by D6386*
- D2326 *Withdrawn 1976; Method of Test for Thermal Conductivity of Cellular Plastics by Means of a Probe*
- D2327 *Withdrawn 1990; Test Method for Mono- and Diocetadecylamines in Water; Replaced by D4983*
- D2328 *Withdrawn 1969; Method for Corrosivity Testing of Industrial Cooling Water (Coupon Test Method); Replaced by D2688*
- D2329 *Withdrawn 1972; Method of Test for Biochemical Oxygen Demand of Industrial Water and Industrial Waste Water*
- D2330 *Withdrawn 2011; Test Method for Methylene Blue Active Substances*
- D2331-08(2013) Practices for Preparation and Preliminary Testing of Water-Formed Deposits, **11.02**
- D2332-13 Practice for Analysis of Water-Formed Deposits by Wavelength-Dispersive X-Ray Fluorescence, **11.02**
- D2333 *Withdrawn 1987; Method of Test for Thorium in Water*
- D2334 *Withdrawn 1992; Test Methods for Radioactive Iodine in Water*
- D2335 *Withdrawn 1971; Method of Test for Radium-226 in Industrial Water and Industrial Waste Water*
- D2336 *Withdrawn 2008; Guide for Specifying Factory Applied Wood Coatings*
- D2337-01(2010) Test Method for Freeze-Thaw Stability of Multicolor Lacquers, **06.01**
- D2338-02(2013) Test Method for Determining Particle Size of Multicolor Lacquers, **06.02**
- D2339-98(2011) Test Method for Strength Properties of Adhesives in Two-Ply Wood Construction in Shear by Tension Loading, **15.06**
- D2340-13 Test Method for Peroxides in Styrene Monomer, **06.04**
- D2341 *Withdrawn 1990; Specification for Rigid Urethane Foam*
- D2342 *Withdrawn 1980; Method of Test for Determination of Lot-to-Lot Stabilization Uniformity of Propylene Plastics*
- D2343-09 Test Method for Tensile Properties of Glass Fiber Strands, Yarns, and Rovings Used in Reinforced Plastics, **08.01**
- D2344/D2344M-13 Test Method for Short-Beam Strength of Polymer Matrix Composite Materials and Their Laminates, **15.03**
- D2345 *Withdrawn 1968; Methods of Test for Interlaminar Shear Strength of*

- Reinforced Plastic Structures at Subnormal and Supernormal Temperature; Replaced by D3846*
- D2346-13** Test Method for Apparent Density of Leather, **15.04**
- D2347-00(2010)** Test Method for Measuring Area of Leather Test Specimens, **15.04**
- D2348 Withdrawn 2009; Test Method for Arsenic in Paint*
- D2349-90(2009)** Test Method for Qualitative Determination of Nature of Solvent Composition in Solvent-Reducible Paints, **06.01**
- D2350-90(2010)** Test Method for Antimony Oxide in White Pigment Separated From Solvent-Reducible Paints, **06.01**
- D2351-90(2010)** Test Method for Sulfide in White Pigment Separated from Solvent-Reducible Paints, **06.01**
- D2352-85(2010)** Test Method for Sulfur Dioxide in White Pigment Separated from Solvent-Reducible Paints, **06.01**
- D2353 Withdrawn 1991; Test Method for Flow Ratings of Organic Coatings Using the Shell Flow Comparator*
- D2354-10<sup>-1</sup>** Test Method for Minimum Film Formation Temperature (MFFT) of Emulsion Vehicles, **06.03**
- D2355 Withdrawn 1987; Recommended Practice for liquid phase evaluation of activated carbon; Replaced by D3860*
- D2356 Withdrawn 2000; Specification for Phosphate and Silica Containing Scouring Powder Compounds*
- D2357-11** for Qualitative Classification of Surfactants by Infrared Absorption, **15.04**
- D2358-89(2009)** Test Method for Separation of Active Ingredient from Surfactant and Syndet Compositions, **15.04**
- D2359-12** Specification for Refined Benzene-535, **06.04**
- D2360-11** Test Method for Trace Impurities in Monocyclic Aromatic Hydrocarbons by Gas Chromatography, **06.04**
- D2361 Withdrawn 2008; Test Method for Chlorine in Coal*
- D2362 Withdrawn 1971; Method of Test for Total Volatile Content of Expandable Polystyrene Materials*
- D2363-79(2011)** Test Methods for Hydroxypropyl Methylcellulose, **06.03**
- D2364-01(2007)<sup>-1</sup>** Test Methods for Hydroxyethylcellulose, **06.03**
- D2365 Withdrawn 1982; Method of Test for Calculation of Neutron Dose to Polymeric Materials and Application of Threshold-Foil Measurements; Replaced by E763*
- D2366 Withdrawn 1989; Method of Accelerated Testing of Moisture Blister Resistance of Exterior House Paints on Wood*
- D2367 Withdrawn 1978; Definitions of Terms Relating to Fabric Defects (Including Illustrations and Related Material); Replaced by D3990*
- D2368 Withdrawn 1978; Classification of Man-Made and Natural Fibers; Combined with D 123*
- D2369-10<sup>-1</sup>** Test Method for Volatile Content of Coatings, **06.01**
- D2370-98(2010)** Test Method for Tensile Properties of Organic Coatings, **06.01**
- D2371-85(2010)** Test Method for Pigment Content of Solvent-Reducible Paints, **06.01**
- D2372-85(2010)** Practice for Separation of Vehicle From Solvent-Reducible Paints, **06.01**
- D2373-05(2011)** Test Method for Determination of Cobalt in Paint Driers by EDTA Method, **06.01**
- D2374-05(2011)** Test Method for Lead in Paint Driers by EDTA Method, **06.01**
- D2375-05(2011)** Test Method for Manganese in Paint Driers by EDTA Method, **06.01**
- D2376 Withdrawn 2002; Test Method for Slump of Face Glazing and Bedding Compounds on Metal Sash*
- D2377-14** Test Method for Tack-Free Time of Caulking Compounds and Sealants, **04.07**
- D2378-07(2012)** Specification for Formaldehyde 50 % Grade Uninhibited and 37 % Grade Inhibited and Uninhibited, **06.04**
- D2379-09** Test Method for Acidity of Formaldehyde Solutions, **06.04**
- D2380-04(2011)** Test Method for Methanol Content of Formaldehyde Solutions, **06.04**
- D2381 Withdrawn 2005; Test Methods for Flexible Composite Materials Used for Electrical Insulation*
- D2382 Withdrawn 1994; Test Method for Heat of Combustion of Hydrocarbon Fuels by Bomb Calorimeter (High-Precision Method); Replaced by D4809*
- D2383-14** Practice for Testing Plasticizer Compatibility in Poly(Vinyl Chloride) (PVC) Compounds Under Humid Conditions, **08.01**
- D2384-83(2009)** Test Methods for Traces of Volatile Chlorides in Butane-Butene Mixtures, **05.01**
- D2385 Withdrawn 1995; Test Method for Hydrogen Sulfide and Mercaptan Sulfur in Natural Gas (Cadmium Sulfate-Iodometric Titration Method)*
- D2386-06(2012)** Test Method for Freezing Point of Aviation Fuels, **05.01**
- D2387 Redesignated 1970- F313; Method of Test for Insoluble Contamination of Hydraulic Fluids*
- D2388 Redesignated 1970- F302; Method for Field Sampling of Aerospace Fluids*
- D2389 Withdrawn 2003; Test Method for Minimum Pressure for Vapor Phase Ignition of Monopropellants*
- D2390 Redesignated 1970- F312; Method of Test for Microscopic Sizing and Counting Particles from Aerospace Fluids on Membrane Filters*
- D2391 Redesignated 1970- F311; Method of Processing Aerospace Liquid Samples for Particulate Contamination Analysis Using Membrane Filters*
- D2392-96(2011)** Test Method for Color of Dyed Aviation Gasolines, **05.01**
- D2393 Withdrawn 1995; Test Method for Viscosity of Epoxy Resins and Related Components*
- D2394-05(2011)** Test Methods for Simulated Service Testing of Wood and Wood-Base Finish Flooring, **04.10**
- D2395-07a<sup>-1</sup>** Test Methods for Specific Gravity of Wood and Wood-Based Materials, **04.10**
- D2396-94(2012)** Test Methods for Powder-Mix Time of Poly(Vinyl Chloride) (PVC) Resins Using a Torque Rheometer, **08.01**
- D2397/D2397M-13** Specification for Cationic Emulsified Asphalt, **04.03**
- D2398 Withdrawn 1985; Test Method for Softening Point of Bitumen in Ethylene Glycol (Ring-and-Ball); Replaced by D36*
- D2399-12** Practice for Selection of Cutback Asphalts, **04.03**
- D2400 Withdrawn 2013; Specification for Varnished Glass-Polyester Cloth Used for Electrical Insulation*
- D2401 Withdrawn 1992; Test Method for Service Change of Appearance of Pile Floor Coverings*
- D2402-07(2012)** Test Method for Water Retention of Textile Fibers (Centrifuge Procedure), **07.01**
- D2403 Withdrawn 2008; Specification for Refined Phthalic Anhydride-1308*
- D2404 Withdrawn 1971; Methods of Testing Jute Backing Fabrics*
- D2405 Withdrawn 1985; Specification for General-Purpose Acrylonitrile-Butadiene/Poly(Vinyl Chloride)(NBR/PVC) Jacket for Wire and Cable; Replaced by D4244*
- D2406 Withdrawn 1980; Methods of Testing Flexible Cellular Materials-Molded Urethane Foam; Replaced by D3574*
- D2407 Withdrawn 1970; Method for Sampling Airborne Particulate Contamination in Clean Rooms for Handling Aerospace Fluids; Redesignated F318*
- D2408 Withdrawn 1990; Test Method for Finish Content of Woven Glass Fabric, Cleaned and After-Finished with Amino-Silane Type Finishes for Plastic Laminates*
- D2409 Withdrawn 1990; Test Method for Finish Content of Woven Glass Fabric, Cleaned and After-Finished with Vinyl-Silane Type Finishes for Plastic Laminates*
- D2410 Withdrawn 1990; Test Method for Finish Content of Woven Glass Fabric, Cleaned and After-Finished with Chrome Complexes, for Plastic Laminates*
- D2411 Withdrawn 1995; Specification for Cellulose Acetate Butyrate Film and Sheeting for Fabricating and Forming*
- D2412-11** Test Method for Determination of External Loading Characteristics of Plastic Pipe by Parallel-Plate Loading, **08.04**
- D2413-99(2009)** Practice for Preparation of Insulating Paper and Board Impregnated with a Liquid Dielectric, **10.01**
- D2414-13a** Test Method for Carbon Black—Oil Absorption Number (OAN), **09.01**
- D2415-98(2012)** Test Method for Ash in Coal Tar and Pitch, **05.01**
- D2416-84(2009)** Test Method for Coking Value of Tar and Pitch (Modified Conradson), **05.01**
- D2417 Withdrawn 1992; Specification for Perforated, Laminated-Wall Bituminized Fiber Pipe for General Drainage*
- D2418 Withdrawn 1992; Specification for Perforated, Laminated-Wall Bituminized Fiber Pipe for Airport and Highway Drainage*
- D2419-09** Test Method for Sand Equivalent Value of Soils and Fine Aggregate, **04.03**
- D2420-13** Test Method for Hydrogen Sulfide in Liquefied Petroleum (LP) Gases (Lead Acetate Method), **05.01**
- D2421-13** Practice for Interconversion of Analysis of C5 and Lighter Hydrocarbons to Gas-Volume, Liquid-Volume, or Mass Basis, **05.01**
- D2422-97(2013)** Classification of Industrial Fluid Lubricants by Viscosity System, **05.01**
- D2423-90(2012)<sup>-1</sup>** Test Method for Surface Wax on Waxed Paper or Paperboard, **05.01**
- D2424 Withdrawn 1985; Method of Test for Hydrocarbon Types in Propylene Polymer by Mass Spectrometry*
- D2425-04(2009)** Test Method for Hydrocarbon Types in Middle Distillates by Mass Spectrometry, **05.01**
- D2426-93(2009)** Test Method for Butadiene Dimer and Styrene in Butadiene Concentrates by Gas Chromatography, **05.01**
- D2427-06(2011)** Test Method for Determination of C, **05.01**
- D2428 Withdrawn 1997; Test Method for Simulative Recirculating System Testing of Aerospace Hydraulic Fluids*
- D2429 Withdrawn 1970; Methods of Sampling Aerospace Fluids from Components; Redesignated F303*
- D2430 Withdrawn 1970; Test Methods for Identification of Metallic and Fibrous Contaminants in Aerospace Fluids; Redesignated F314*
- D2431 Withdrawn 1979; Specification for Refined Naphthalene-798*
- D2432 Withdrawn 1985; Specification for Heavy-Duty Acrylonitrile-Butadiene Poly(Vinyl Chloride)(NBR/PVC) Jacket for Wire and Cable; Replaced by D4244*
- D2433 Withdrawn 2012; Test Methods for Rubber Thread*
- D2434-68(2006)** Test Method for Permeability of Granular Soils (Constant Head), **04.08**
- D2435/D2435M-11** Test Methods for One-Dimensional Consolidation Properties of Soils Using Incremental Loading, **04.08**
- D2436 Withdrawn 1994; Specification for Forced-Convection Laboratory Ovens for Electrical Insulation; Replaced by D5374, D5423*
- D2437 Redesignated 1970- F301; Method for Open-Bottle Tap Sampling of Noncryogenic Fluid Systems*
- D2438 Withdrawn 1995; Test Method for Silica in Cellulose*
- D2439-12** Specification for Refined Phenol, **06.04**
- D2440-13** Test Method for Oxidation Stability of Mineral Insulating Oil, **10.03**
- D2441 Withdrawn 2000; Test Method for Hydrolyzable Chlorine Compounds in Chlorinated Aromatic Hydrocarbons (Askarels) by Refluxing*

- D2442-75(2012)** Specification for Alumina Ceramics for Electrical and Electronic Applications, **15.02**
- D2443** *Withdrawn 2000; Test Methods for Lacing Twines and Tapes Used as Harnesses in Electrical Equipment*
- D2444-99(2010)** Test Method for Determination of the Impact Resistance of Thermoplastic Pipe and Fittings by Means of a Tup (Falling Weight), **08.04**
- D2445** *Withdrawn 1987; Test Method for Thermal Oxidative Stability of Propylene Plastics; Replaced by D3012*
- D2446** *Withdrawn 1986; Specification for Cellulose Acetate Butyrate (CAB) Plastic Pipe (SDR-PR) and Tubing*
- D2447** *Withdrawn 2010; Specification for Polyethylene (PE) Plastic Pipe, Schedules 40 and 80, Based on Outside Diameter*
- D2448-85(2012)** Test Method for Water-Soluble Salts in Pigments by Measuring the Specific Resistance of the Leachate of the Pigment, **06.03**
- D2449-88(2011)** Specification for Rubber Bales From Natural Sources Limit on Coating, **09.01**
- D2450** *Withdrawn 2002; Test Method for Bond of Oil- and Resin-Base Caulking Compounds*
- D2451** *Withdrawn 2002; Test Method for Degree of Set for Glazing Compounds on Metal Sash*
- D2452-03(2009)** Test Method for Extrudability of Oil- and Resin-Base Caulking Compounds, **04.07**
- D2453-03(2009)** Test Method for Shrinkage and Tenacity of Oil- and Resin-Base Caulking Compounds, **04.07**
- D2454-08** Practice for Determining the Effect of Overbaking on Organic Coatings, **06.01**
- D2455** *Withdrawn 2005; Test Method for Identification of Carboxylic Acids in Alkyd Resins*
- D2456** *Withdrawn 2006; Test Method for Identification of Polyhydric Alcohols in Alkyd Resins*
- D2457-13** Test Method for Specular Gloss of Plastic Films and Solid Plastics, **08.01**
- D2458** *Withdrawn 1982; Method for Flow Measurement of Industrial Water and Industrial Waste Water by the Venturi Meter Tube*
- D2459** *Withdrawn 1987; Test Method for Gamma Spectrometry of Industrial Water and Industrial Waste Water*
- D2460-07(2013)** Test Method for Alpha-Particle-Emitting Isotopes of Radium in Water, **11.02**
- D2461** *Withdrawn 1988; Test Method for Iron-59 in Water*
- D2462-13** Test Method for Moisture in Wool by Distillation With Toluene, **07.01**
- D2463-10b** Test Method for Drop Impact Resistance of Blow-Molded Thermoplastic Containers, **08.01**
- D2464-13** Specification for Threaded Poly(Vinyl Chloride) (PVC) Plastic Pipe Fittings, Schedule 80, **08.04**
- D2465** *Withdrawn 1986; Specification for Threaded Acrylonitrile-Butadiene-Styrene (ABS) Plastic Pipe Fittings, Schedule 80*
- D2466-13** Specification for Poly(Vinyl Chloride) (PVC) Plastic Pipe Fittings, Schedule 40, **08.04**
- D2467-13a** Specification for Poly(Vinyl Chloride) (PVC) Plastic Pipe Fittings, Schedule 80, **08.04**
- D2468** *Withdrawn 2003; Specification for Acrylonitrile-Butadiene-Styrene (ABS) Plastic Pipe Fittings, Schedule 40*
- D2469** *Withdrawn 1986; Specification for Socket-Type Acrylonitrile-Butadiene-Styrene (ABS) Plastic Pipe Fittings, Schedule 80*
- D2470** *Withdrawn 1989; Method of Measurement of Delayed Neutron-Emitting Fission Products in Nuclear Reactor Coolant Water During Reactor Operation*
- D2471** *Withdrawn 2008; Practice for Gel Time and Peak Exothermic Temperature of Reacting Thermosetting Resins*
- D2472-00(2006)** Specification for Sulfur Hexafluoride, **10.03**
- D2473** *Withdrawn 1983; Specification for Polycarbonate Molding, Extrusion, and Casting Materials; Replaced by D3935*
- D2474** *Withdrawn 1999; Specification for Vinyl Chloride Copolymer Resins*
- D2475-01(2013)** Specification for Felt, **07.01**
- D2476** *Withdrawn 1992; Test Method for Tritium in Water; Replaced by D4107*
- D2477-07(2012)** Test Method for Dielectric Breakdown Voltage and Dielectric Strength of Insulating Gases at Commercial Power Frequencies, **10.03**
- D2478** *Withdrawn 1978; Definitions of Terms Relating to Nails for Use with Wood and Wood-Base Materials; Replaced by F547*
- D2479** *Withdrawn 1969; Test Method for Length Distribution of Cotton Fibers by the Short Method Array*
- D2480** *Withdrawn 1992; Test Method for Maturity Index and Linear Density of Cotton Fibers by the Caustic Method*
- D2481** *Withdrawn 2014; Test Method for Accelerated Evaluation of Wood Preservatives for Marine Services by Means of Small Size Specimens*
- D2482** *Withdrawn 2010; Test Method for Surface Strength of Paper (Wax Pick Method)*
- D2483** *Withdrawn 1972; Test Method for Silicone Grit Content of Paper and Paper Products*
- D2484-06(2012)<sup>1</sup>** Specification for Polyester Film Pressure-Sensitive Electrical Insulating Tape, **10.01**
- D2485-91(2013)** Test Methods for Evaluating Coatings For High Temperature Service, **06.01**
- D2486-06(2012)<sup>1</sup>** Test Methods for Scrub Resistance of Wall Paints, **06.02**
- D2487-11** Practice for Classification of Soils for Engineering Purposes (Unified Soil Classification System), **04.08**
- D2488-09a** Practice for Description and Identification of Soils (Visual-Manual Procedure), **04.08**
- D2489/D2489M-08** Practice for Estimating Degree of Particle Coating of Bituminous-Aggregate Mixtures, **04.03**
- D2490** *Withdrawn 1976; Method of Test for Tumbler Test for Small Coke; Replaced by D3402*
- D2491** *Withdrawn 1981; Test Method for Staple Crimp in Grease Wool Locks*
- D2492-02(2012)** Test Method for Forms of Sulfur in Coal, **05.06**
- D2493/D2493M-09** Standard Viscosity-Temperature Chart for Asphalts, **04.03**
- D2494-13** Test Method for Commercial Mass of a Shipment of Yarn or Manufactured Staple Fiber or Tow, **07.01**
- D2495-07(2012)** Test Method for Moisture in Cotton by Oven-Drying, **07.01**
- D2496** *Withdrawn 1987; Test Method for Seed Coat Fragments and Funiculi in Cotton Fiber Samples*
- D2497-07(2012)** Tolerances for Manufactured Organic-Base Filament Single Yarns, **07.01**
- D2498** *Withdrawn 1984; Test Method for Isomer Distribution of Straight-Chain Detergent Alkylate by Mass Spectrometry*
- D2499** *Redesignated 1970- F316; Test Method for Pore Size Characteristics of Membrane Filters for Use with Aerospace Fluids*
- D2500-11** Test Method for Cloud Point of Petroleum Products, **05.01**
- D2501-11** Test Method for Calculation of Viscosity-Gravity Constant (VGC) of Petroleum Oils, **05.01**
- D2502-04(2009)** Test Method for Estimation of Mean Relative Molecular Mass of Petroleum Oils from Viscosity Measurements, **05.01**
- D2503-92(2012)** Test Method for Relative Molecular Mass (Molecular Weight) of Hydrocarbons by Thermoelectric Measurement of Vapor Pressure, **05.01**
- D2504-88(2010)** Test Method for Noncondensable Gases in C<sub>2</sub> and Lighter Hydrocarbon Products by Gas Chromatography, **05.01**
- D2505-88(2010)** Test Method for Ethylene, Other Hydrocarbons, and Carbon Dioxide in High-Purity Ethylene by Gas Chromatography, **05.01**
- D2506** *Withdrawn 1998; Terminology Relating to Solid Rocket Propulsion*
- D2507** *Withdrawn 2003; Terminology of Rheological Properties of Gelled Rocket Propellants*
- D2508** *Withdrawn 2003; Test Method for Solid Rocket Propellant Specific Impulse Measurements*
- D2509-03(2008)** Test Method for Measurement of Load-Carrying Capacity of Lubricating Grease (Timken Method), **05.01**
- D2510-94(2012)** Test Method for Adhesion of Solid Film Lubricants, **05.01**
- D2511-93(2009)** Test Method for Thermal Shock Sensitivity of Solid Film Lubricants, **05.01**
- D2512-95(2008)** Test Method for Compatibility of Materials with Liquid Oxygen (Impact Sensitivity Threshold and Pass-Fail Techniques), **14.04**
- D2513-13** Specification for Polyethylene (PE) Gas Pressure Pipe, Tubing, and Fittings, **08.04**
- D2514** *Withdrawn 1977; Tolerances for Fabrics Woven from All-Cotton or from Cotton Man-Made Fiber Blends*
- D2515** *Redesignated 1977- D446; Specification for Kinematic Glass Capillary Viscometers*
- D2516** *Withdrawn 1979; Recommended Practice for Nomenclature for Rubber-Grade Carbon Blacks; Replaced by D1765*
- D2517-06(2011)** Specification for Reinforced Epoxy Resin Gas Pressure Pipe and Fittings, **08.03**
- D2518** *Withdrawn 2013; Specification for Woven Glass Fabrics for Electrical Insulation*
- D2519-07(2012)** Test Method for Bond Strength of Electrical Insulating Varnishes by the Helical Coil Test, **10.02**
- D2520-13** Test Methods for Complex Permittivity (Dielectric Constant) of Solid Electrical Insulating Materials at Microwave Frequencies and Temperatures to 1650°C, **10.02**
- D2521/D2521M-76(2014)<sup>1</sup>** Specification for Asphalt Used in Canal, Ditch, and Pond Lining, **04.04**
- D2522-03(2008)<sup>2</sup>** Test Method for Chlorine Content of Polybutenes Used for Electrical Insulation, **10.03**
- D2523-13** Practice for Testing Load-Strain Properties of Roofing Membranes, **04.04**
- D2524-13** Test Method for Breaking Tenacity of Wool Fibers, Flat Bundle Method - 18-in. (3.2-mm) Gage Length, **07.01**
- D2525-13** Practice for Sampling Wool for Moisture, **07.01**
- D2526** *Withdrawn 2006; Specification for Ozone-Resisting Silicone Rubber Insulation for Wire and Cable*
- D2527-83(2011)** Specification for Rubber Seals—Splice Strength, **09.02**
- D2528** *Withdrawn 1975; Method of Test for Dirt in Casein and Isolated Soy Protein*
- D2529** *Withdrawn 1985; Method of Test for Bursting Strength of Paperboard and Linnerboard*
- D2530** *Withdrawn 1989; Specification for Nonoriented Propylene Plastic Film*
- D2531** *Withdrawn 1980; Specification for Phenoxy Plastics Molding and Extrusion Materials*
- D2532-10** Test Method for Viscosity and Viscosity Change After Standing at Low Temperature of Aircraft Turbine Lubricants, **05.01**
- D2533** *Withdrawn 2008; Test Method for Vapor-Liquid Ratio of Spark-Ignition Engine Fuels*
- D2534-88(2012)** Test Method for Coefficient of Kinetic Friction for Wax Coatings, **05.01**
- D2535** *Redesignated 1970- F304; Method of Sampling for Particulates from Aerospace Components with Convoluters*
- D2536** *Redesignated F305*
- D2537** *Redesignated F306*
- D2538-02(2010)** Practice for Fusion of Poly(Vinyl Chloride) (PVC) Compounds Using a Torque Rheometer, **08.01**
- D2539** *Withdrawn 2003; Test Method for Shock Sensitivity of Liquid Monopropellants by the Card-Gap Test*

- D2540 *Withdrawn 2003; Test Method for Drop-Weight Sensitivity of Liquid Monopropellants*
- D2541 *Withdrawn 2003; Test Method for Critical Diameter and Detonation Velocity of Liquid Monopropellants*
- D2542 *Redesignated F309*
- D2543 *Redesignated F310*
- D2544 *Redesignated F307*
- D2545 *Withdrawn; Method of Sampling for Particulates From Aerospace Components or System (Gas Blow-Down Method)*
- D2546 *Redesignated F315*
- D2547 *Withdrawn 1991; Test Method for Lead in Gasoline*
- D2548 *Withdrawn 1979; Method of Test for Analysis of Oil Soluble Petroleum Sulfonates by Liquid Chromatography; Replaced by D3712*
- D2549-02(2012) *Test Method for Separation of Representative Aromatics and Nonaromatics Fractions of High-Boiling Oils by Elution Chromatography, 05.01*
- D2550 *Withdrawn 1991; Test Method for Water Separation Characteristics of Aviation Turbine Fuels*
- D2551 *Withdrawn 1989; Test Method for Vapor Pressure of Petroleum Products*
- D2552 *Withdrawn 1987; Method of Test for Environmental Stress Rupture of Type III Polyethylenes Under Constant Tensile Load*
- D2553 *Withdrawn 1992; Test Method for Detecting Odor of Drycleaning Detergent on a Drycleaned Garment*
- D2554 *Withdrawn 1992; Test Method for Flash Point of Drycleaning Detergents in the Drycleaning Bath*
- D2555-06(2011) *Practice for Establishing Clear Wood Strength Values, 04.10*
- D2556-14 *Test Method for Apparent Viscosity of Adhesives Having Shear-Rate-Dependent Flow Properties Using Rotational Viscometry, 15.06*
- D2557-98(2010)<sup>1</sup> *Test Method for Tensile-Shear Strength of Adhesives in the Subzero Temperature Range from -267.8 to -55°C (-450 to -67°F), 15.06*
- D2558 *Withdrawn 1992; Test Method for Evaluating Peel Strength of Shoe Sole-Attaching Adhesives*
- D2559-12a *Specification for Adhesives for Bonded Structural Wood Products for Use Under Exterior Exposure Conditions, 15.06*
- D2560 *Withdrawn 1987; Specification for Solvent Cements for Cellulose Acetate Butyrate (CAB) Plastic Pipe, Tubing, and Fittings*
- D2562-94(2008) *Practice for Classifying Visual Defects in Parts Molded from Reinforced Thermosetting Plastics, 08.01*
- D2563-08 *Practice for Classifying Visual Defects in Glass-Reinforced Plastic Laminate Parts, 08.01*
- D2564-12 *Specification for Solvent Cements for Poly(Vinyl Chloride) (PVC) Plastic Piping Systems, 08.04*
- D2565-99(2008) *Practice for Xenon-Arc Exposure of Plastics Intended for Outdoor Applications, 08.01*
- D2566 *Withdrawn 1993; Test Method for Linear Shrinkage of Cured Thermosetting Casting Resins During Cure*
- D2567 *Withdrawn 1984; Molecular Distribution Analysis for Monoalkylbenzenes by Mass Spectrometry*
- D2568 *Withdrawn 1980; Recommended Practice for Calculation of Absorbed Dose from Gamma Radiation; Replaced by E665*
- D2569 *Withdrawn 2006; Test Method for Distillation of Pitch*
- D2570-10 *Test Method for Simulated Service Corrosion Testing of Engine Coolants, 15.05*
- D2571 *Withdrawn 2003; Guide for Testing Wood Furniture Lacquers*
- D2572-97(2010) *Test Method for Isocyanate Groups in Urethane Materials or Prepolymers, 06.03*
- D2573-08 *Test Method for Field Vane Shear Test in Cohesive Soil, 04.08*
- D2574-06(2012) *Test Method for Resistance of Emulsion Paints in the Container to Attack by Microorganisms, 06.01*
- D2575 *Withdrawn 2007; Methods of Testing Polymerized Fatty Acids*
- D2576 *Withdrawn 1981; Method of Test for Metals in Water and Waste Water by Atomic Absorption Spectrophotometry*
- D2577 *Withdrawn 1989; Test Method for Radioactive Cesium in Water*
- D2578-09 *Test Method for Wetting Tension of Polyethylene and Polypropylene Films, 08.01*
- D2579 *Withdrawn 2002; Test Method for Total Organic Carbon in Water*
- D2580-06(2012) *Test Method for Phenols in Water by Gas-Liquid Chromatography, 11.02*
- D2581-09 *Classification System for Polybutylene (PB) Plastics Molding and Extrusion Materials, 08.01*
- D2582-09 *Test Method for Puncture-Propagation Tear Resistance of Plastic Film and Thin Sheet, 08.01*
- D2583-13a *Test Method for Indentation Hardness of Rigid Plastics by Means of a Barcol Impressor, 08.01*
- D2584-11 *Test Method for Ignition Loss of Cured Reinforced Resins, 08.01*
- D2585 *Withdrawn 1996; Test Method for Preparation and Tension Testing of Filament-Wound Pressure Vessels*
- D2586 *Withdrawn 1996; Test Method for Hydrostatic Compressive Strength of Glass-Reinforced Plastic Cylinders*
- D2587 *Withdrawn 1990; Test Method for Acetone Extraction and Ignition of Glass Fiber Strands*
- D2588 *Withdrawn 1972; Method of Test for Standard Plate Count of Casein and Isolated Soy Protein*
- D2589/D2589M-88(2011)<sup>1</sup> *Test Method for McNett Wet Classification of Dual Asbestos Fiber, 04.05*
- D2590/D2590M-98(2011)<sup>1</sup> *Test Method for Sampling Chrysotile Asbestos, 04.05*
- D2591-07(2013) *Test Method for Linear Density of Elastomeric Yarns (Short Length Specimens), 07.01*
- D2592 *Withdrawn 1972; Method of Test for Sieve Analysis of Casein and Isolated Soy Protein*
- D2593-93(2009) *Test Method for Butadiene Purity and Hydrocarbon Impurities by Gas Chromatography, 05.01*
- D2594-04(2012) *Test Method for Stretch Properties of Knitted Fabrics Having Low Power, 07.01*
- D2595-96(2008)<sup>1</sup> *Test Method for Evaporation Loss of Lubricating Greases Over Wide-Temperature Range, 05.01*
- D2596-10 *Test Method for Measurement of Extreme-Pressure Properties of Lubricating Grease (Four-Ball Method), 05.01*
- D2597-10 *Test Method for Analysis of Demethanized Hydrocarbon Liquid Mixtures Containing Nitrogen and Carbon Dioxide by Gas Chromatography, 05.01*
- D2598-12 *Practice for Calculation of Certain Physical Properties of Liquefied Petroleum (LP) Gases from Compositional Analysis, 05.01*
- D2599 *Withdrawn 1993; Methods of Test for Lead in Gasoline by X-ray Spectrometry*
- D2600 *Withdrawn 1992; Test Method for Aromatic Traces in Light Saturated Hydrocarbons by Gas Chromatography; Replaced by D4420*
- D2601 *Withdrawn 1985; Test Method for Hydrocarbon Types in Propylene Tetramer by Low Ionizing Voltage Mass Spectrometry*
- D2602 *Withdrawn 1993; Apparent Viscosity of Engine Oils at Low Temperature Using the Cold-Cranking Simulator; Replaced by D5293*
- D2603-01(2013) *Test Method for Sonic Shear Stability of Polymer-Containing Oils, 05.01*
- D2604 *Withdrawn 2006; Specification for High-Boiling Hydrocarbon Solvent for Preparing Oil-Borne Preservative Solutions*
- D2605 *Withdrawn 1993; Specification for Volatile Petroleum Solvent (LPG) for Preparing Pentachlorophenol Solutions*
- D2606 *Withdrawn 2006; Test Method for Solubility of Pentachlorophenol in Heavy Hydrocarbon Solvents*
- D2607 *Withdrawn 1992; Classification of Peats, Mosses, Humus, and Related Products*
- D2608 *Withdrawn 1990; Test Method for Copper in Electrical Insulating Oils by Photometric Analysis*
- D2609-02(2008) *Specification for Plastic Insert Fittings for Polyethylene (PE) Plastic Pipe, 08.04*
- D2610 *Withdrawn 1979; Specification for Butt Fusion Polyethylene (PE) Plastic Pipe Fittings, Schedule 40; Replaced by D3261*
- D2611 *Withdrawn 1979; Specification for Butt Fusion Polyethylene (PE) Plastic Pipe Fittings, Schedule 80; Replaced by D3261*
- D2612-99(2011) *Test Method for Fiber Cohesion in Sliver and Top (Static Tests), 07.01*
- D2613-01(2012) *Test Method for Calcium or Zinc in Paint Driers by EDTA Method, 06.01*
- D2614 *Withdrawn 1971; Method of Test for Giding Poer of Chromatic Paints; Replaced by D2805*
- D2615 *Withdrawn 1981; Method of Test for Free Yoluene Diisocyanate in Urethane Polymers by Distillation; Replaced by D3432*
- D2616-12 *Test Method for Evaluation of Visual Color Difference With a Gray Scale, 06.01*
- D2617-12 *Test Method for Total Ash in Leather, 15.04*
- D2618 *Withdrawn 1984; Method of Test for Pressure Blocking and Picking Points of Petroleum Wax*
- D2619-09 *Test Method for Hydrolytic Stability of Hydraulic Fluids (Beverage Bottle Method), 05.01*
- D2620 *Withdrawn 2001; Test Method for Light Stability of Clear Coatings*
- D2621-87(2011) *Test Method for Infrared Identification of Vehicle Solids From Solvent-Reducible Paints, 06.01*
- D2622-10 *Test Method for Sulfur in Petroleum Products by Wavelength Dispersive X-ray Fluorescence Spectrometry, 05.01*
- D2623 *Withdrawn 1991; Test Method for Knock Characteristics of Liquefied Petroleum (LP) Gases by the Motor (LP) Method*
- D2624-09 *Test Methods for Electrical Conductivity of Aviation and Distillate Fuels, 05.01*
- D2625-94(2010) *Test Method for Endurance (Wear) Life and Load-Carrying Capacity of Solid Film Lubricants (Falex Pin and Vee Method), 05.01*
- D2626/D2626M-04(2012)<sup>1</sup> *Specification for Asphalt-Saturated and Coated Organic Felt Base Sheet Used in Roofing, 04.04*
- D2627-08(2012) *Specification for Diacetone Alcohol, 06.04*
- D2628-91(2011) *Specification for Preformed Polychloroprene Elastomeric Joint Seals for Concrete Pavements, 04.03*
- D2629 *Withdrawn 1977; Specification for Hot Mixed, Hot Laid Emulsified Asphalt Paving Mixtures; Replaced by D3515*
- D2630 *Withdrawn 1990; Test Method for Rubber Property—Adhesion to Fabrics (Strap Peel Test); Replaced by D4393, D4776, D4777*
- D2631 *Withdrawn 1985; Methods for Testing Paper by Direct-Voltage Life Testing of Capacitors*
- D2632-01(2014) *Test Method for Rubber Property—Resilience by Vertical Rebound, 09.01*
- D2633-13a *Test Methods for Thermoplastic Insulations and Jackets for Wire and Cable, 10.02*
- D2634-07(2013) *Specification for Methyl Amyl Acetate (95 % Grade), 06.04*
- D2635-07(2012) *Specification for Methyl Isobutyl Carbinol, 06.04*
- D2636-07(2012) *Specification for Hexylene Glycol, 06.04*
- D2637 *Withdrawn 1972; Specification for Hexyl Acetate*
- D2638-10 *Test Method for Real Density of Calcined Petroleum Coke by Helium Pycnometer, 05.01*

- D2639/D2639M-13** Test Method for Plastic Properties of Coal by the Constant-Torque Gieseler Plastometer, **05.06**  
**D2640** *Withdrawn 1973; Method of Test for Drop Shatter Test for Large Coke; Replaced by D3038*  
**D2641** *Withdrawn 1995; Test Method for Chlorine in Cellulose*  
**D2642** *Withdrawn 1972; Method of Test for Viscosity of Casein and Isolated Soy Protein*  
**D2643/D2643M-08(2013)<sup>1</sup>** Specification for Prefabricated Bituminous Geomembrane Used as Canal and Ditch Liner (Exposed Type), **04.13**  
**D2644-12** Tolerances for Yarns Spun on the Woolen System, **07.01**  
**D2645-07(2012)** Tolerances for Yarns Spun on the Cotton or Worsted Systems, **07.01**  
**D2646-11** Test Methods for Backing Fabric Characteristics of Pile Yarn Floor Coverings, **07.01**  
**D2647-10** Specification for Crosslinkable Ethylene Plastics, **08.01**  
**D2648** *Withdrawn 1977; Recommended Practice for Measuring Time to Failure by Rupture of Plastics Under Tension in Various Environments; Replaced by D2990*  
**D2649-04(2009)** Test Method for Corrosion Characteristics of Solid Film Lubricants, **05.01**  
**D2650-10** Test Method for Chemical Composition of Gases by Mass Spectrometry, **05.01**  
**D2651-01(2008)** Guide for Preparation of Metal Surfaces for Adhesive Bonding, **15.06**  
**D2652-11** Terminology Relating to Activated Carbon, **15.01**  
**D2653-07(2012)** Test Method for Tensile Properties of Elastomeric Yarns (CRE Type Tensile Testing Machines), **07.01**  
**D2654** *Withdrawn 1998; Test Methods for Moisture in Textiles*  
**D2655-12** Specification for Crosslinked Polyethylene Insulation for Wire and Cable Rated 0 to 2000 V, **10.02**  
**D2656-13** Specification for Crosslinked Polyethylene Insulation for Wire and, **10.02**  
**D2657-07** Practice for Heat Fusion Joining of Polyolefin Pipe and Fittings, **08.04**  
**D2658-04(2013)** Test Method for Determining Interior Dimensions of Fiberboard Boxes (Box Gage Method), **15.10**  
**D2659-11** Test Method for Column Crush Properties of Blown Thermoplastic Containers, **08.01**  
**D2660** *Withdrawn 1990; Test Method for Finish Content of Woven Glass Fabric, Cleaned and After-Finished with Acrylic-Silane Type Finishes, for Plastic Laminates*  
**D2661-11** Specification for Acrylonitrile-Butadiene-Styrene (ABS) Schedule 40 Plastic Drain, Waste, and Vent Pipe and Fittings, **08.04**  
**D2662** *Withdrawn 2003; Specification for Polybutylene (PB) Plastic Pipe (SIDR-PR) Based on Controlled Inside Diameter*  
**D2663-14** Test Methods for Carbon Black—Dispersion in Rubber, **09.01**  
**D2664** *Withdrawn 2005; Test Method for Triaxial Compressive Strength of Undrained Rock Core Specimens Without Pore Pressure Measurements; Replaced by D7012*  
**D2665-12** Specification for Poly(Vinyl Chloride) (PVC) Plastic Drain, Waste, and Vent Pipe and Fittings, **08.04**  
**D2666** *Withdrawn 2005; Specification for Polybutylene (PB) Plastic Tubing*  
**D2667** *Withdrawn 2013; Test Method for Biodegradability of Alkylbenzene Sulfonates*  
**D2668-07(2013)** Test Method for 2,6-di-tert-Butyl- p-Cresol and 2,6-di-tert-Butyl Phenol in Electrical Insulating Oil by Infrared Absorption, **10.03**  
**D2669-06(2012)<sup>1</sup>** Test Method for Apparent Viscosity of Petroleum Waxes Compounded with Additives (Hot Melts), **05.01**  
**D2670-95(2010)** Test Method for Measuring Wear Properties of Fluid Lubricants (Falex Pin and Vee Block Method), **05.01**  
**D2671-13** Test Methods for Heat-Shrinkable Tubing for Electrical Use, **10.02**  
**D2672-96a(2009)** Specification for Joints for IPS PVC Pipe Using Solvent Cement, **08.04**  
**D2673-09** Specification for Oriented Polypropylene Film, **08.01**  
**D2674-72(2012)** Methods of Analysis of Sulfochromate Etch Solution Used in Surface Preparation of Aluminum, **15.06**  
**D2675** *Withdrawn 1985; Method of Test for Copper in Insulating Oils Spectrochemically by the Solution-Rotating Disk Method*  
**D2676** *Redesignated G22*  
**D2677** *Withdrawn 1986; Method of Test for Lightability of Barbecue Briquets*  
**D2678** *Withdrawn 1991; Practice for Spinning Tests on the Cotton System for Measurement of Yarn Properties*  
**D2679** *Withdrawn 1980; Method of Test for Electrostatic Charge; Replaced by D4470*  
**D2680-01(2009)** Specification for Acrylonitrile-Butadiene-Styrene (ABS) and Poly(Vinyl Chloride) (PVC) Composite Sewer Piping, **08.04**  
**D2681** *Withdrawn 1972; Method of Test for Lead in the Atmosphere*  
**D2682** *Withdrawn 1979; Method of Test for Polynuclear Aromatic Hydrocarbons in Air Particulate Matter*  
**D2683-10<sup>3</sup>** Specification for Socket-Type Polyethylene Fittings for Outside Diameter-Controlled Polyethylene Pipe and Tubing, **08.04**  
**D2684-10** Test Method for Permeability of Thermoplastic Containers to Packaged Reagents or Proprietary Products, **08.01**  
**D2685-11** Test Method for Air and Carbon Tetrafluoride in Sulfur Hexafluoride by Gas Chromatography, **10.03**  
**D2686-06(2012)** Specification for Polytetrafluoroethylene-Backed Pressure-Sensitive Electrical Insulating Tape, **10.02**  
**D2687-95(2007)<sup>1</sup>** Practices for Sampling Particulate Ion-Exchange Materials, **11.02**  
**D2688-11** Test Method for Corrosivity of Water in the Absence of Heat Transfer (Weight Loss Method), **11.01**  
**D2689** *Withdrawn 2008; Practices for Testing Alkyd Resins*  
**D2690** *Withdrawn 2007; Test Method for Isophthalic Acid in Alkyd and Polyester Resins*  
**D2691** *Withdrawn 1993; Test Method for Microscopical Measurement of Dry Film Thickness of Coatings on Wood Products; Replaced by D5235*  
**D2692/D2692M-10(2014)** Test Method for Air Wicking of Tire Fabrics, Tire Cord Fabrics, Tire Cord, and Yarns, **07.01**  
**D2693-07(2012)** Specification for Ethylene Glycol, **06.04**  
**D2694-05(2011)** Specification for Diethylene Glycol, **06.04**  
**D2695** *Withdrawn 1991; Specification for Propylene Glycol*  
**D2696** *Withdrawn 1991; Specification for Dipropylene Glycol*  
**D2697-03(2008)** Test Method for Volume Nonvolatile Matter in Clear or Pigmented Coatings, **06.01**  
**D2698-05(2010)** Test Method for Determination of the Pigment Content of Solvent-Reducible Paints by High-Speed Centrifuging, **06.01**  
**D2699-13b** Test Method for Research Octane Number of Spark-Ignition Engine Fuel, **05.05**  
**D2700-13b** Test Method for Motor Octane Number of Spark-Ignition Engine Fuel, **05.05**  
**D2701** *Withdrawn 1977; Method for Chemical Analysis for Aluminum Oxide Content of Titanium Dioxide Pigments; Replaced by D1394*  
**D2702-05(2011)** Practice for Rubber Chemicals—Determination of Infrared Absorption Characteristics, **09.01**  
**D2703** *Withdrawn 2000; Practice for Rubber Chemicals—Determination of Ultraviolet Absorbance Characteristics*  
**D2704** *Withdrawn 1973; Method of Test for Measurement of Curing Characteristics with the Cepar Cure Meter*  
**D2705** *Withdrawn 1973; Method of Test for Measurement of Curing Characteristics with the Oscillating Disc Rheometer Cure Meter*  
**D2706** *Withdrawn 1973; Method of Test for Measurement of Curing Characteristics with the Viscometer Cure Meter*  
**D2707** *Withdrawn 1989; Test Method for Hard Rubber in Tension*  
**D2708** *Withdrawn 1985; Specification for Extra-Heavy-Duty Acrylonitrile-Butadiene/Poly(Vinyl Chloride)(NBR/PVC) Jacket for Wire and Cable; Replaced by D4244*  
**D2709-96(2011)<sup>1</sup>** Test Method for Water and Sediment in Middle Distillate Fuels by Centrifuge, **05.01**  
**D2710-09(2013)** Test Method for Bromine Index of Petroleum Hydrocarbons by Electrometric Titration, **05.01**  
**D2711-11** Test Method for Demulsibility Characteristics of Lubricating Oils, **05.01**  
**D2712-91(2010)** Test Method for Hydrocarbon Traces in Propylene Concentrates by Gas Chromatography, **05.01**  
**D2713-13** Test Method for Dryness of Propane (Valve Freeze Method), **05.01**  
**D2714-94(2009)** Test Method for Calibration and Operation of the Falex Block-on-Ring Friction and Wear Testing Machine, **05.01**  
**D2715-92(2012)** Test Method for Volatilization Rates of Lubricants in Vacuum, **05.01**  
**D2716** *Withdrawn 1982; Method of Test for Coefficient of Friction and Wear Characteristics of Solid Film Lubricants in Vacuum and Other Controlled Atmospheres*  
**D2717-95(2009)** Test Method for Thermal Conductivity of Liquids, **05.01**  
**D2718-00(2011)** Test Methods for Structural Panels in Planar Shear (Rolling Shear), **04.10**  
**D2719-13** Test Methods for Structural Panels in Shear Through-the-Thickness, **04.10**  
**D2720-94(2012)<sup>1</sup>** Practice for Calculation of Commercial Weight and Yield of Scoured Wool, Top, and Noil for Various Commercial Compositions, **07.01**  
**D2721** *Withdrawn 1989; Method of Test for Effects of Drycleaning on Permanence of Durable Water-Repellent Finish*  
**D2722** *Withdrawn 1976; Method of Test for Knock Characteristics of Motor Fuels Using the Compression Ratio (CR) Technique for Research Ratings; Replaced by D2699*  
**D2723** *Withdrawn 1976; Method of Test for Characteristics of Motor Fuels Using the Compression Ratio (CR) Technique for Motor Ratings; Replaced by D2700*  
**D2724-07(2011)<sup>1</sup>** Test Methods for Bonded, Fused, and Laminated Apparel Fabrics, **07.01**  
**D2725** *Withdrawn 1996; Test Method for Hydrogen Sulfide in Natural Gas (Methylene Blue Method)*  
**D2726/D2726M-13** Test Method for Bulk Specific Gravity and Density of Non-Absorptive Compacted Bituminous Mixtures, **04.03**  
**D2727** *Withdrawn 1979; Test for Coating and Resistance to Stripping of Bituminous-Aggregate Mixtures Containing Adhesion Promoting Agents*  
**D2728-98(2009)** Practice for Paving Uses and Application Temperatures for Road Tars, **04.03**  
**D2729-11** Specification for Poly(Vinyl Chloride) (PVC) Sewer Pipe and Fittings, **08.04**  
**D2730** *Withdrawn 1987; Method for Sag Flow of Highly Viscous Materials*  
**D2731-07(2012)** Test Method for Elastic Properties of Elastomeric Yarns (CRE Type Tensile Testing Machines), **07.01**  
**D2732-08** Test Method for Unrestrained Linear Thermal Shrinkage of Plastic Film, **08.01**  
**D2733** *Withdrawn 1981; Method of Test for Interlaminar Shear Strength of Structural Reinforced Plastics at Elevated Temperatures; Replaced by D3846*  
**D2734-09** Test Methods for Void Content of Reinforced Plastics, **08.01**  
**D2735** *Withdrawn 1985; Practice for Determination of Effect of Cyclic Immersion of Syntactic Foam at Pressure*

- D2736 *Withdrawn 1985; Practice for Determination of Hydrostatic Compressive strength of Syntactic Foam*
- D2737-12a** Specification for Polyethylene (PE) Plastic Tubing, **08.04**
- D2738 *Withdrawn 1982; Test Method for Bursting Strength of Corrugated and Solid Fiberboard; Replaced by TAPPI T 810*
- D2739-97(2010)** Test Method for Volume Resistivity of Conductive Adhesives, **15.06**
- D2741 *Withdrawn 2011; Test Method for Susceptibility of Polyethylene Bottles to Soot Accumulation*
- D2742 *Withdrawn 1990; Methods for Chemical Analysis of Tribasic Lead Phosphosilicate*
- D2743-68(2010)** Practices for Uniformity of Traffic Paint Vehicle Solids by Spectroscopy and Gas Chromatography, **06.02**
- D2744 *Withdrawn 1987; Specification for Tribasic Lead Phosphosilicate*
- D2745-00(2008)** Test Method for Relative Tinting Strength of White Pigments by Reflectance Measurements, **06.01**
- D2746-07(2013)** Test Method for Staining Tendency of Asphalt (Stain Index), **04.04**
- D2747 *Withdrawn 1986; Method of Test for Trace Quantities of Total Sulfur in Volatile Organic Liquids (Oxy-Hydrogen Combustion Method)*
- D2748 *Withdrawn 1987; Method of Test for Pyridine Bases in Tar Acids; Replaced by D4471*
- D2749-13** Symbols for Dimensions of Plastic Pipe Fittings, **08.04**
- D2751-05** Specification for Acrylonitrile-Butadiene-Styrene (ABS) Sewer Pipe and Fittings, **08.04**
- D2752/D2752M-88(2011)<sup>1</sup>** Test Methods for Air Permeability of Asbestos Fibers, **04.05**
- D2753 *Withdrawn 1993; Specification for Electrolytic Capacitor Paper*
- D2754-10** Specification for High-Temperature Glass Cloth Pressure-Sensitive Electrical Insulating Tape, **10.02**
- D2755 *Withdrawn 2003; Test Method of Sampling and Reduction to Test Weight of Electrical Grade Magnesium Oxide*
- D2756-07(2012)** Test Method for Weight Loss of Electrical Insulating Varnishes, **10.02**
- D2757 *Withdrawn 2001; Specification for Impervious Steatite Ceramics for Electrical and Electronic Applications*
- D2758-94(2009)** Test Method for Engine Coolants by Engine Dynamometer, **15.05**
- D2759-00(2010)** Practice for Sampling Gas from a Transformer Under Positive Pressure, **10.03**
- D2760 *Withdrawn 2000; Test Method for Analysis of Sodium Triphosphate by the Simplified Paper Chromatographic Method*
- D2761 *Withdrawn 2001; Test Method for Analysis of Sodium Triphosphate by the Simplified Ion Exchange Method*
- D2762 *Withdrawn 1992; Specification for Drycleaning Detergent, Non-Charge Type*
- D2763 *Withdrawn 1993; Specification for Drycleaning Detergent, Liquid Charge Type*
- D2764-99(2009)** Test Method for Dimethylformamide-Insoluble (DMF-I) Content of Tar and Pitch, **05.01**
- D2765-11** Test Methods for Determination of Gel Content and Swell Ratio of Crosslinked Ethylene Plastics, **08.01**
- D2766-95(2009)** Test Method for Specific Heat of Liquids and Solids, **05.01**
- D2767 *Redesignated F317*
- D2768 *Withdrawn 2007; Specification for General-Purpose Ethylene-Propylene Rubber Jacket for Wire and Cable*
- D2769 *Withdrawn 1987; Method of Testing Rubber Hose Used for Liquefied Petroleum Gas Extractable Material*
- D2770 *Withdrawn 2007; Specification for Ozone-Resisting Ethylene-Propylene Rubber Integral Insulation and Jacket for Wire and Cable*
- D2771 *Withdrawn 2003; Test Methods for Compaction Density of Electrical Grade Magnesium Oxide*
- D2772 *Withdrawn 2003; Test Method for Sieve Analysis of Electrical Grade Magnesium Oxide*
- D2773 *Withdrawn 2003; Test Method for Loss on Ignition of Electrical Grade Magnesium Oxide*
- D2774-12** Practice for Underground Installation of Thermoplastic Pressure Piping, **08.04**
- D2775 *Withdrawn 1975; Method of Test for Insolubles in Casein*
- D2776 *Withdrawn 1991; Test Methods for Corrosivity of Water in the Absence of Heat Transfer (Electrical Methods); Replaced by G96*
- D2777-13** Practice for Determination of Precision and Bias of Applicable Test Methods of Committee D19 on Water, **11.01**
- D2778 *Withdrawn 1982; Method of Test for Solvent Extraction of Organic Matter from Water*
- D2779-92(2012)** Test Method for Estimation of Solubility of Gases in Petroleum Liquids, **05.01**
- D2780 *Withdrawn 2010; Test Method for Solubility of Fixed Gases in Liquids*
- D2781 *Withdrawn 1992; Test Method for Compatibility of Fuel Oil Blends by Spot Test; Replaced by D4740*
- D2782-02(2008)** Test Method for Measurement of Extreme-Pressure Properties of Lubricating Fluids (Timken Method), **05.01**
- D2783-03(2009)** Test Method for Measurement of Extreme-Pressure Properties of Lubricating Fluids (Four-Ball Method), **05.01**
- D2784-11** Test Method for Sulfur in Liquefied Petroleum Gases (Oxy-Hydrogen Burner or Lamp), **05.01**
- D2785 *Withdrawn 1989; Test Method for Trace Quantities of Total Sulfur (Wickbold and Beckman Combustion Apparatus)*
- D2786-91(2011)** Test Method for Hydrocarbon Types Analysis of Gas-Oil Saturates Fractions by High Ionizing Voltage Mass Spectrometry, **05.01**
- D2787 *Withdrawn 1985; Method of Test for Lead and Vanadium in Gas Turbine Fuels*
- D2788 *Withdrawn 1994; Method of Test for Trace Metals in Gas Turbine Fuels (Atomic Absorption Method)*
- D2789-95(2011)** Test Method for Hydrocarbon Types in Low Olefinic Gasoline by Mass Spectrometry, **05.01**
- D2790 *Withdrawn 1993; Methods of Analysis of Solvent Systems Used for Removal of Water-Formed Deposits*
- D2791-13** Test Method for On-line Determination of Sodium in Water, **11.01**
- D2792-69(2010)** Test Method for Solvent and Fuel Resistance of Traffic Paint, **06.02**
- D2793-99(2011)** Test Method for Block Resistance of Organic Coatings on Wood Panel Substrates, **06.02**
- D2794-93(2010)** Test Method for Resistance of Organic Coatings to the Effects of Rapid Deformation (Impact), **06.01**
- D2795 *Withdrawn 2001; Test Method for Analysis of Coal and Coke Ash*
- D2796 *Withdrawn 1995; Terminology Relating to Megascopic Description of Coal and Coal Seams and Microscopical Description and Analysis of Coal*
- D2797/D2797M-11a** Practice for Preparing Coal Samples for Microscopical Analysis by Reflected Light, **05.06**
- D2798-11a** Test Method for Microscopical Determination of the Vitrinite Reflectance of Coal, **05.06**
- D2799-13** Test Method for Microscopical Determination of the Maceral Composition of Coal, **05.06**
- D2800 *Withdrawn 2007; Test Method for Preparation of Methyl Esters From Oils for Determination of Fatty Acid Composition by Gas-Liquid Chromatography*
- D2801 *Withdrawn 1990; Test Method for Leveling Characteristics of Paints by Draw-Down Method*
- D2802-03(2010)** Specification for Ozone-Resistant Ethylene-Alkene Polymer Insulation, **10.02**
- D2803-09** Guide for Testing Filiform Corrosion Resistance of Organic Coatings on Metal, **06.01**
- D2804-02(2012)** Test Method for Purity of Methyl Ethyl Ketone By Gas Chromatography, **06.04**
- D2805-11** Test Method for Hiding Power of Paints by Reflectometry, **06.01**
- D2806 *Withdrawn 1982; Test Method for Flat Crush of Corrugating Medium; Replaced by TAPPI T 809*
- D2807-93(2009)<sup>1</sup>** Test Method for Chromic Oxide in Leather (Perchloric Acid Oxidation), **15.04**
- D2808 *Withdrawn 1991; Test Method for Compressive Strength of Corrugated Fiberboard (Short Column Test)*
- D2809-09** Test Method for Cavitation Corrosion and Erosion-Corrosion Characteristics of Aluminum Pumps With Engine Coolants, **15.05**
- D2810-13** Test Method for pH of Leather, **15.04**
- D2811 *Withdrawn 1991; Methods for Spinning Tests on the Cotton System for Measurement of Spinning Performance*
- D2812-07(2012)** Test Method for Non-Lint Content of Cotton, **07.01**
- D2813-03(2013)** Practice for Sampling Leather for Physical and Chemical Tests, **15.04**
- D2814 *Withdrawn 1978; Method of Test for Color Change Due to Flat Abrasion (Frosting)*
- D2815 *Withdrawn 1976; Specification for Cleaning Compound, General Purpose*
- D2816-05(2009)** Test Method for Cashmere Coarse-Hair Content in Cashmere, **07.01**
- D2817-05(2009)** Specification for Maximum Cashmere Coarse-Hair Content in Cashmere, **07.01**
- D2818 *Withdrawn 1992; Specification for Homogeneous Bituminized Fiber Pipe for Airport and Highway Drainage*
- D2819 *Withdrawn 1984; Specification for Extra-Heavy-Duty Black Polychloroprene Jacket for Wire and Cable; Replaced by D4247*
- D2820 *Withdrawn 1993; Test Method for C<sub>1</sub> through C<sub>5</sub> Hydrocarbons in the Atmosphere By Gas Chromatography*
- D2821-14** Test Method for Measuring the Relative Stiffness of Leather by Means of a Torsional Wire Apparatus, **15.04**
- D2822/D2822M-05(2011)<sup>1</sup>** Specification for Asphalt Roof Cement, Asbestos-Containing, **04.04**
- D2823/D2823M-05(2011)<sup>1</sup>** Specification for Asphalt Roof Coatings, Asbestos-Containing, **04.04**
- D2824/D2824M-13** Specification for Aluminum-Pigmented Asphalt Roof Coatings, Nonfibered, and Fibered without Asbestos, **04.04**
- D2825-13** Terminology Relating to Polishes and Related Materials, **15.04**
- D2826 *Withdrawn 1979; Specification for Styrene Monomer 993*
- D2827-13** Specification for Styrene Monomer, **06.04**
- D2828 *Withdrawn 2004; Specification for Nonbituminous Inserts for Contraction Joints in Portland Cement Concrete Airfield Pavements, Sawable Type*
- D2829-07(2013)** Practice for Sampling and Analysis of Existing Built-Up Roof Systems, **04.04**
- D2830 *Withdrawn 2004; Test Method for Exterior Durability of Factory-Primed Field Finished Wood Products*
- D2831 *Withdrawn 1981; Method of Test for Evaluating the Ability of a Latex Paint to Resist Efflorescence from the Substrate*
- D2832-92(2011)** Guide for Determining Volatile and Nonvolatile Content of Paint and Related Coatings, **06.01**
- D2833 *Withdrawn 1994; Index of Methods for Testing Architectural Paints and Coatings; Replaced by D5324*
- D2834-95(2008)** Test Method for Nonvolatile Matter (Total Solids) in Water-Emulsion Floor Polishes, Solvent-Based Floor Polishes, and

- Polymer-Emulsion Floor Polishes, **15.04**
- D2835-89(2012)** Specification for Lubricant for Installation of Preformed Compression Seals in Concrete Pavements, **04.03**
- D2836 Withdrawn 1977; Specification for Filled Poly(Vinyl Chloride)(PVC) Sewer Pipe*
- D2837-11** Test Method for Obtaining Hydrostatic Design Basis for Thermoplastic Pipe Materials or Pressure Design Basis for Thermoplastic Pipe Products, **08.04**
- D2838-09** Test Method for Shrink Tension and Orientation Release Stress of Plastic Film and Thin Sheeting, **08.01**
- D2839-10** Practice for Use of a Melt Index Strand for Determining Density of Polyethylene, **08.01**
- D2840 Withdrawn 1984; Method of Test for Average True Particle Density of Hollow Microspheres*
- D2841 Withdrawn 1999; Practice for Sampling Hollow Microspheres*
- D2842-12** Test Method for Water Absorption of Rigid Cellular Plastics, **08.01**
- D2843-10** Test Method for Density of Smoke from the Burning or Decomposition of Plastics, **08.01**
- D2844/D2844M-13** Test Method for Resistance, **04.08**
- D2845-08** Test Method for Laboratory Determination of Pulse Velocities and Ultrasonic Elastic Constants of Rock, **04.08**
- D2846/D2846M-09b<sup>1</sup>** Specification for Chlorinated Poly(Vinyl Chloride) (CPVC) Plastic Hot- and Cold-Water Distribution Systems, **08.04**
- D2847-07(2012)** Practice for Testing Engine Coolants in Car and Light Truck Service, **15.05**
- D2848 Withdrawn 1983; Specification for Reinforced Polycarbonate Injection Molding and Extrusion Materials; Replaced by D3935*
- D2849 Withdrawn 1989; Method of Testing Urethane Foam Polyol Raw Materials*
- D2850-03a(2007)** Test Method for Unconsolidated-Undrained Triaxial Compression Test on Cohesive Soils, **04.08**
- D2851-98(2009)** Specification for Liquid Optical Adhesive, **15.06**
- D2852-95(2008)** Specification for Styrene-Rubber (SR) Plastic Drain Pipe and Fittings, **08.04**
- D2853 Withdrawn 1989; Specification for Reinforced Olefin Injection Molding and Extrusion Materials*
- D2854-09** Test Method for Apparent Density of Activated Carbon, **15.01**
- D2855-96(2010)** Practice for Making Solvent-Cemented Joints with Poly(Vinyl Chloride) (PVC) Pipe and Fittings, **08.04**
- D2856 Withdrawn 2006; Test Method for Open-Cell Content of Rigid Cellular Plastics by the Air Pycnometer; Replaced by D6226*
- D2857-95(2007)** Practice for Dilute Solution Viscosity of Polymers, **08.01**
- D2858 Withdrawn 2003; Test Method for Thermal Conductivity of Electrical Grade Magnesium Oxide*
- D2859-06(2011)** Test Method for Ignition Characteristics of Finished Textile Floor Covering Materials, **04.07**
- D2860M Withdrawn 1998; Replaced by D2860/D2860M*
- D2860/D2860M-04(2010)** Test Method for Adhesion of Pressure-Sensitive Tape to Fiberboard at 90° Angle and Constant Stress, **15.10**
- D2861-87(2009)** Test Methods for Flexible Composites of Copper Foil with Dielectric Film or Treated Fabrics, **10.02**
- D2862-10** Test Method for Particle Size Distribution of Granular Activated Carbon, **15.01**
- D2863-13** Test Method for Measuring the Minimum Oxygen Concentration to Support Candle-Like Combustion of Plastics (Oxygen Index), **08.01**
- D2864-10<sup>1</sup>** Terminology Relating to Electrical Insulating Liquids and Gases, **10.03**
- D2865M-06** Practice for Calibration of Standards and Equipment for Electrical Insulating Materials Testing, **10.02**
- D2866-11** Test Method for Total Ash Content of Activated Carbon, **15.01**
- D2867-09** Test Methods for Moisture in Activated Carbon, **15.01**
- D2868-10** Test Method for Nitrogen Content (Kjeldahl) and Hide Substance Content of Leather, Wet Blue and Wet White, **15.04**
- D2869 Withdrawn 1974; Method of Test for Black Heel Marking Tendencies of Waxes and Polymer Floor Finishes*
- D2870 Withdrawn 1996; Test method for Gel Time of Tar Acids*
- D2871 Withdrawn 1984; Specification for p-tert-butylphenol 98*
- D2872-12<sup>1</sup>** Test Method for Effect of Heat and Air on a Moving Film of Asphalt (Rolling Thin-Film Oven Test), **04.03**
- D2873 Withdrawn 2003; Test Method for Interior Porosity of Poly(Vinyl Chloride) (PVC) Resins by Mercury Intrusion Porosimetry*
- D2874 Withdrawn 1982; Specification for Polyphenylene Oxide Molding and Extrusion Materials*
- D2875-00(2010)** Test Method for Insoluble Ash of Vegetable-Tanned Leather, **15.04**
- D2876-00(2010)** Test Method for Water-Soluble Matter of Vegetable-Tanned Leather, **15.04**
- D2877 Withdrawn 1975; Methods of Test for Measuring Frictional Properties of Slideway Lubricants*
- D2878-10** Test Method for Estimating Apparent Vapor Pressures and Molecular Weights of Lubricating Oils, **05.01**
- D2879-10** Test Method for Vapor Pressure-Temperature Relationship and Initial Decomposition Temperature of Liquids by Isoteniscope, **05.01**
- D2880-13b** Specification for Gas Turbine Fuel Oils, **05.01**
- D2881-12** Classification for Metalworking Fluids and Related Materials, **05.01**
- D2882 Withdrawn 2003; Test Method for Indicating Wear Characteristics of Petroleum and Non-Petroleum Hydraulic Fluids in Constant Volume Vane Pump*
- D2883-95(2009)** Test Method for Reaction Threshold Temperature of Liquid and Solid Materials, **05.01**
- D2884-93(2012)** Test Method for Yield Stress of Heterogeneous Propellants by Cone Penetration Method, **05.01**
- D2885-13** Test Method for Determination of Octane Number of Spark-Ignition Engine Fuels by On-Line Direct Comparison Technique, **05.05**
- D2886 Withdrawn 1991; Test Method for Knock Characteristics of Motor Fuels by the Distribution Octane Number (DON) Method*
- D2887-13** Test Method for Boiling Range Distribution of Petroleum Fractions by Gas Chromatography, **05.01**
- D2888 Withdrawn 1982; Method for Analysis of Liquefied Petroleum Gases (LPG) by Process Gas Chromatography*
- D2889-95(2010)** Test Method for Calculation of True Vapor Pressures of Petroleum Distillate Fuels, **05.01**
- D2890-92(2013)** Test Method for Calculation of Liquid Heat Capacity of Petroleum Distillate Fuels, **05.01**
- D2891 Withdrawn 1981; Methods for Validation of Results of Process Distillation Analyzers; Replaced by D3764*
- D2892-13** Test Method for Distillation of Crude Petroleum (15-Theoretical Plate Column), **05.01**
- D2893-04(2009)** Test Methods for Oxidation Characteristics of Extreme-Pressure Lubrication Oils, **05.01**
- D2894 Withdrawn 1979; Methods for Analysis of Calcium and Barium Petroleum Sulfonates by Liquid Chromatography; Replaced by D3712*
- D2895 Withdrawn 2004; Test Method for Gloss Retention of Waxed Paper and Paperboard After Storage at 40°C (104°F)*
- D2896-11** Test Method for Base Number of Petroleum Products by Potentiometric Perchloric Acid Titration, **05.01**
- D2897 Withdrawn 1984; Specification for Reinforced and Filled Nylon Injection Molding and Extrusion Materials; Replaced by D4066*
- D2898-10** Practice for Accelerated Weathering of Fire-Retardant-Treated Wood for Fire Testing, **04.10**
- D2899-12** Practice for Establishing Allowable Stresses for Round Timber Piles, **04.10**
- D2900 Withdrawn 2003; Test Method for Accelerated Life Test of Electrical Grade Magnesium Oxide as Used in Sheathed-Type Electric Heating Elements*
- D2901 Withdrawn 2006; Test Method for Cement Content of Freshly Mixed Soil-Cement*
- D2902-00(2013)<sup>1</sup>** Specification for Fluoropolymer Resin Heat-Shrinkable Tubing for Electrical Insulation, **10.02**
- D2903-11** Specification for Crosslinked Chlorinated Polyolefin Heat-Shrinkable Tubing for Electrical Insulation, **10.02**
- D2904 Withdrawn 2008; Practice for Interlaboratory Testing of a Textile Test Method that Produces Normally Distributed Data*
- D2905 Withdrawn 2008; Practice for Statements on Number of Specimens for Textiles*
- D2906 Withdrawn 2008; Practice for Statements on Precision and Bias for Textiles*
- D2907 Withdrawn 2003; Test Methods for Microquantities of Uranium in Water by Fluorometry*
- D2908-91(2011)** Practice for Measuring Volatile Organic Matter in Water by Aqueous-Injection Gas Chromatography, **11.02**
- D2909 Withdrawn 1990; Test Method for Cyclohexylamine in Water; Replaced by D4983*
- D2910 Withdrawn 1992; Practice for Concentration and Recovery of Organic Matter from Water by Activated Carbon*
- D2911-10** Specification for Dimensions and Tolerances for Plastic Bottles, **08.01**
- D2912 Withdrawn 1991; Test Method for Oxidant Content of the Atmosphere (Neutral KI)*
- D2913-96(2007)** Test Method for Mercaptan Content of the Atmosphere, **11.07**
- D2914-01(2007)** Test Methods for Sulfur Dioxide Content of the Atmosphere (West-Gaeke Method), **11.07**
- D2915-10** Practice for Sampling and Data-Analysis for Structural Wood and Wood-Based Products, **04.10**
- D2916-09** Specification for Isophorone, **06.04**
- D2917-07(2013)** Specification for Methyl Isoamyl Ketone, **06.04**
- D2918-99(2012)** Test Method for Durability Assessment of Adhesive Joints Stressed in Peel, **15.06**
- D2919-01(2014)** Test Method for Determining Durability of Adhesive Joints Stressed in Shear by Tension Loading, **15.06**
- D2920 Withdrawn 1977; Method for Determination of Silica in Titanium Dioxide Pigments; Replaced by D1394*
- D2921-98(2011)** Test Method for Qualitative Tests for the Presence of Water Repellents and Preservatives in Wood Products, **06.02**
- D2922 Withdrawn 2007; Test Methods for Density of Soil and Soil-Aggregate in Place by Nuclear Methods (Shallow Depth); Replaced by D6938*
- D2923-13** Test Method for Rigidity of Polyolefin Film and Sheeting, **08.01**
- D2924-12** Test Method for External Pressure Resistance of "Fiberglass", **08.03**
- D2925-01(2007)<sup>1</sup>** Test Method for Beam Deflection of "Fiberglass" (Glass-Fiber-Reinforced Thermosetting Resin) Pipe Under Full Bore Flow, **08.03**
- D2926 Withdrawn 1989; Test Method for Bulk Modulus of Elasticity of Syntactic Foam (Piston-Cylinder Method)*
- D2927 Withdrawn 1974; Method of Test for Measurement of Tensile Creep and Creep Rupture of Reinforced Thermoplastics; Replaced by D2990*
- D2928 Withdrawn 1981; Method for Sampling Stacks for Particulate Matter; Replaced by D3685*
- D2929-89(2011)** Test Method for Sulfur Content of Cellulosic Materials by X-Ray Fluorescence, **06.03**

- D2930 *Withdrawn 2012; Test Method for Maleic Acid in Maleic Anhydride by Potentiometric Titration*
- D2931 *Withdrawn 1994; Guide for Testing Latex Flat Wall Paints; Replaced by D5324*
- D2932 *Withdrawn 1993; Guide for Testing Exterior Solvent-Based House and Trim Coatings; Replaced by D5416*
- D2933 *Withdrawn 1992; Test Method for Corrosion Resistance of Coated Steel Specimens (Cyclic Method)*
- D2934 *Withdrawn 1994; Practice for Rubber Seals—Compatibility With Service Fluids*
- D2935 *Withdrawn 2005; Test Method for Apparent Density of Industrial Aromatic Hydrocarbons*
- D2936-08** Test Method for Direct Tensile Strength of Intact Rock Core Specimens, **04.08**
- D2937-10** Test Method for Density of Soil in Place by the Drive-Cylinder Method, **04.08**
- D2938 *Withdrawn 2005; Test Method for Unconfined Compressive Strength of Intact Rock Core Specimens; Replaced by D7012*
- D2939 *Withdrawn 2012; Test Methods for Emulsified Bitumens Used as Protective Coatings*
- D2940/D2940M-09** Specification for Graded Aggregate Material For Bases or Subbases for Highways or Airports, **04.03**
- D2941-13** Test Method for Measuring Break Pattern of Leather (Break Scale), **15.04**
- D2942-02(2013)** Test Method for Total Acid Acceptance of Halogenated Organic Solvents (Nonreflux Methods), **15.05**
- D2943-02(2012)** Test Method for Aluminum Scratch of 1,1,1-Trichloroethane to Determine Stability, **15.05**
- D2944-13** Practice of Sampling Processed Peat Materials, **04.08**
- D2945 *Withdrawn 2011; Test Method for Gas Content of Insulating Oils*
- D2946-01(2010)** Terminology for Asbestos and Asbestos—Cement Products, **04.05**
- D2947/D2947M-88(2011)<sup>1</sup>** Test Method for Screen Analysis of Asbestos Fibers, **04.05**
- D2948 *Withdrawn 1986; Specification for Glass-Reinforced and Glass-Filled Acetal Resin Molding and Extrusion Materials; Replaced by D4181*
- D2949-10** Specification for 3.25-in. Outside Diameter Poly(Vinyl Chloride) (PVC) Plastic Drain, Waste, and Vent Pipe and Fittings, **08.04**
- D2950/D2950M-11** Test Method for Density of Bituminous Concrete in Place by Nuclear Methods, **04.03**
- D2951 *Withdrawn 2006; Test Method for Resistance of Types III and IV Polyethylene Plastics to Thermal Stress-Cracking*
- D2952 *Withdrawn 1999; Specification for Ethylene Plastics*
- D2953 *Withdrawn 1986; Classification System for Polymeric Materials for Service in Ionizing Radiation*
- D2954 *Withdrawn 1985; Method of Test for Absorbed Gamma and Electron Radiation Dose with the Ferrous Sulfate-Cupric Sulfate Dosimeter*
- D2955 *Withdrawn 2000; Specification for Hand Scrubbing Soap (Grit Soap) Paste and Bar*
- D2956 *Withdrawn 1985; Practice for Conducting Controlled Shock Input Tests for Shipping Containers; Replaced by D4003*
- D2957 *Withdrawn 2000; Specification for Hand Scrubbing Soap (Grit Soap) Powder*
- D2958 *Withdrawn 2000; Specification for Powdered Toilet Soap*
- D2959-95(2009)** Test Method for Ethylene Oxide Content of Polyethoxylated Nonionic Surfactants, **15.04**
- D2960 *Withdrawn 2013; Guide for Controlled Laundering Test Using Naturally Soiled Fabrics and Household Appliances*
- D2961-11** Test Method for Single-Stage Total Moisture Less than 15 % in Coal Reduced to 2.36-mm (No. 8 Sieve) Topsize, **05.06**
- D2962-10** Practice for Calculating Volume-Temperature Correction For Coal-Tar Pitches, **05.01**
- D2963 *Withdrawn 1997; Test Method for Testing Flow Table Consistency of Clay-Stabilized Asphalt Emulsions*
- D2964 *Withdrawn 1979; Specification for Natural Mica Films Used in Fixed Capacitors Based on Visual Quality*
- D2965 *Withdrawn 1979; Specification for Mechanical Characteristics of Die Cut Mica Films for Use as Dielectrics in Fixed Mica Capacitors*
- D2966 *Withdrawn 1983; Method of Test for Cavitation Erosion-Corrosion Characteristics of Aluminum in Engine Coolants Using Ultrasonic Energy*
- D2967-07(2013)** Test Method for Corner Coverage of Powder Coatings, **06.02**
- D2968-13** Test Method for Med and Kemp Fibers in Wool and Other Animal Fibers by Microprojection, **07.01**
- D2969-04(2014)** Test Methods for Steel Tire Cords, **07.01**
- D2970/D2970M-04(2014)** Test Methods for Testing Tire Cords, Tire Cord Fabrics, and Industrial Yarns Made From Glass Filaments, **07.01**
- D2971 *Withdrawn 1978; Methods of Testing for Stitch-Quilted Products*
- D2972-08** Test Methods for Arsenic in Water, **11.01**
- D2973-10<sup>1</sup>** Test Method for Total Nitrogen in Peat Materials, **04.08**
- D2974-13** Test Methods for Moisture, Ash, and Organic Matter of Peat and Other Organic Soils, **04.08**
- D2975 *Withdrawn 1984; Method of Test for Sand Content of Peat Materials*
- D2976 *Withdrawn 2013; Test Method for pH of Peat Materials*
- D2977 *Withdrawn 2012; Test Method for Particle Size Range of Peat Materials for Horticultural Purposes*
- D2978-03(2010)** Test Method for Volume of Processed Peat Materials, **04.08**
- D2979-01(2009)** Test Method for Pressure-Sensitive Tack of Adhesives Using an Inverted Probe Machine, **15.10**
- D2980-04(2010)** Test Method for Volume Mass, Moisture-Holding Capacity, and Porosity of Saturated Peat Materials, **04.08**
- D2981-94(2009)** Test Method for Wear Life of Solid Film Lubricants in Oscillating Motion, **05.01**
- D2982-07(2013)** Test Methods for Detecting Glycol-Base Antifreeze in Used Lubricating Oils, **05.01**
- D2983-09** Test Method for Low-Temperature Viscosity of Lubricants Measured by Brookfield Viscometer, **05.01**
- D2984 *Withdrawn 1981; Practice for Validation of Results of Process Vapor Pressure Analyzer; Replaced by D3764*
- D2985/D2985M-92(2011)<sup>1</sup>** Test Method for Color of Asbestos, **04.05**
- D2986 *Withdrawn 2004 Practice for Evaluation of Air Assay Media by the Monodisperse DOP (Diocetyl Phthalate) Smoke Test*
- D2987/D2987M-88(2011)<sup>1</sup>** Test Method for Moisture Content of Asbestos Fiber, **04.05**
- D2988-96(2010)** Test Methods for Water-Soluble Halide Ion in Halogenated Organic Solvents and Their Admixtures, **15.05**
- D2989-01(2011)** Test Method for Acidity-Alkalinity of Halogenated Organic Solvents and Their Admixtures, **15.05**
- D2990-09** Test Methods for Tensile, Compressive, and Flexural Creep and Creep-Rupture of Plastics, **08.01**
- D2991 *Withdrawn 1992; Practice for Testing Stress-Relaxation of Plastics*
- D2992-12** Practice for Obtaining Hydrostatic or Pressure Design Basis for "Fiberglass" (Glass-Fiber-Reinforced Thermosetting-Resin) Pipe and Fittings, **08.03**
- D2993 *Withdrawn 2003; Specification for Acrylonitrile-Butadiene Rubberized Tar*
- D2994 *Withdrawn 2000; Test Methods for Rubberized Tar*
- D2995-99(2009)** Practice for Estimating Application Rate of Bituminous Distributors, **04.03**
- D2996-01(2007)<sup>1</sup>** Specification for Filament-Wound "Fiberglass" (Glass-Fiber-Reinforced Thermosetting-Resin) Pipe, **08.03**
- D2997-01(2007)<sup>1</sup>** Specification for Centrifugally Cast "Fiberglass" (Glass-Fiber-Reinforced Thermosetting-Resin) Pipe, **08.03**
- D2998 *Withdrawn 2004; Test Method for Polyhydric Alcohols in Alkyd Resins*
- D2999 *Withdrawn 1990; Test Method for Monopentaerythritol in Commercial Pentaerythritol; Replaced by D2195*
- D3000 *Withdrawn 2003; Specification for Polybutylene (PB) Plastic Pipe (SDR-PR) Based on Outside Diameter*
- D3001 *Withdrawn 1985; Method of Test for Absorbed Gamma And Electron Radiation Dose with the Ceric Sulfate Dosimeter*
- D3002-07** Guide for Evaluation of Coatings Applied to Plastics, **06.02**
- D3003-01(2012)** Test Method for Pressure Mottling and Blocking Resistance of Organic Coatings on Metal Substrates, **06.02**
- D3004-08(2013)** Specification for Crosslinked and Thermoplastic Extruded Semi-Conducting, Conductor and Insulation Shielding Materials, **10.02**
- D3005-10** Specification for Low-Temperature Resistant Vinyl Chloride Plastic Pressure-Sensitive Electrical Insulating Tape, **10.02**
- D3006-10** Specification for Polyethylene Plastic Pressure-Sensitive Electrical Insulating Tape, **10.02**
- D3007 *Withdrawn 1975; Definition of Terms Relating to Mica, Mica Processing, and Processed Mica Forms; Combined with D 1711*
- D3008 *Withdrawn 1997; Test Method for Resin Acids in Rosin by Gas Chromatography*
- D3009 *Withdrawn 1999; Test Method for Composition of Turpentine by Gas Chromatography; Replaced by D6387*
- D3010 *Withdrawn 1992; Practice for Preparing Compression-Molded Test Sample Plaques of Rigid Poly(Vinyl Chloride) Compounds; Replaced by D4703*
- D3011 *Withdrawn 1988; Specification for Reinforced and Filled Polystyrene, Styrene-Acrylonitrile, and ABS for Molding and Extrusion; Replaced by D4203, D4549, D4673*
- D3012-13** Test Method for Thermal-Oxidative Stability of Polypropylene Using a Specimen Rotator Within an Oven, **08.01**
- D3013-13** Specification for Epoxy Molding Compounds, **08.01**
- D3014-11** Test Method for Flame Height, Time of Burning, and Loss of Mass of Rigid Thermoset Cellular Plastics in a Vertical Position, **08.01**
- D3015 *Withdrawn 2001; Practice for Microscopical Examination of Pigment Dispersion in Plastic Compounds; Replaced by ISO 13949*
- D3016-97(2010)** Practice for Use of Liquid Exclusion Chromatography Terms and Relationships, **08.01**
- D3017 *Withdrawn 2007; Test Method for Water Content of Soil and Rock in Place by Nuclear Methods (Shallow Depth); Replaced by D6938*
- D3018/D3018M-11** Specification for Class A Asphalt Shingles Surfaced with Mineral Granules, **04.04**
- D3019-08** Specification for Lap Cement Used with Asphalt Roll Roofing, Non-Fibered, Asbestos-Fibered, and Non-Asbestos-Fibered, **04.04**
- D3020 *Withdrawn 1996; Specification for Polyethylene and Ethylene Copolymer Plastic Sheeting for Pond, Canal, and Reservoir Lining*
- D3021-01(2012)** Specification for Phthalocyanine Green Pigments, **06.03**
- D3022-84(2011)** Test Method for Color and Strength of Color Pigments by Use of a Miniature Sandmill, **06.01**
- D3023-98(2011)** Practice for Determination of Resistance of Factory-Applied Coatings on Wood Products to Stains and Reagents, **06.02**
- D3024 *Withdrawn 1991; Specification for Protein-Base Adhesives for Structural Laminated Wood Products for Use Under Interior (Dry Use) Exposure Conditions*
- D3025-07(2012)** Practice for Standardizing Cotton Fiber Test Results by Use of Calibration Cotton Standards, **07.01**
- D3026 *Withdrawn 2003; Test Method for Sinter Index of Electrical Grade Magnesium Oxide for Use in Sheathed Heating Elements*
- D3027 *Withdrawn 1992; Practice for Compression Molding Specimens of Alloy*



- Molding Compounds; Replaced by D5224*
- D3028 *Withdrawn 2000; Test Method for Kinetic Coefficient of Friction of Plastic Solids*
- D3029 *Withdrawn 1995; Test Methods for Impact Resistance of Flat, Rigid Plastic Specimens by Means of a Tup (Falling Weight); Replaced by D5420, D5628*
- D3030-11** Test Method for Volatile Matter (Including Water) of Vinyl Chloride Resins, **08.01**
- D3031 *Withdrawn 1992; Test Method for Total Sulfur in Natural Gas by Hydrogenation*
- D3032-10** Test Methods for Hookup Wire Insulation, **10.02**
- D3033 *Withdrawn 1989; Specification for Type PSP Poly(Vinyl Chloride)(PVC) Sewer Pipe and Fittings*
- D3034-08** Specification for Type PSM Poly(Vinyl Chloride) (PVC) Sewer Pipe and Fittings, **08.04**
- D3035-12<sup>1</sup>** Specification for Polyethylene (PE) Plastic Pipe (DR-PR) Based on Controlled Outside Diameter, **08.04**
- D3036 *Withdrawn 1986; Specification for Poly(Vinyl Chloride)(PVC) Plastic Line Couplings*
- D3037 *Withdrawn 1999; Test Methods for Carbon Black—Surface Area by Nitrogen Adsorption*
- D3038-93(2010)** Test Method for Drop Shatter Test for Coke, **05.06**
- D3039/D3039M-14** Test Method for Tensile Properties of Polymer Matrix Composite Materials, **15.03**
- D3040 *Withdrawn 1988; Practice for Preparing Precision Statements for Standards Related to Rubber and Rubber Testing; Replaced by D4483*
- D3041 *Withdrawn 1988; Method of Testing Coated Fabrics--Ozone Cracking in a Chamber; Replaced by D1149*
- D3042-09** Test Method for Insoluble Residue in Carbonate Aggregates, **04.03**
- D3043-00(2011)** Test Methods for Structural Panels in Flexure, **04.10**
- D3044-94(2011)** Test Method for Shear Modulus of Wood-Based Structural Panels, **04.10**
- D3045-92(2010)** Practice for Heat Aging of Plastics Without Load, **08.01**
- D3046 *Withdrawn 2001; Specification for Powdered Hand Cleaner (Soap with Borax)*
- D3047 *Withdrawn 2000; Specification for Powdered Hand Cleaner (Soap with Vegetable Scrubber)*
- D3048-89(2009)** Test Method of Assay for Alkaline Protease, **15.04**
- D3049-89(2009)** Test Method for Synthetic Anionic Ingredient by Cationic Titration, **15.04**
- D3050-07** Guide for Measuring Soil Removal from Artificially Soiled Fabrics (Not Suitable for Detergent Ranking), **15.04**
- D3051 *Withdrawn 1990; Practice for Carbon Black—Stating the Precision of ASTM Test Methods; Replaced by D4483*
- D3052-87(2010)** Practice for Rating Water-Emulsion Floor Polishes, **15.04**
- D3053-13a** Terminology Relating to Carbon Black, **09.01**
- D3054 *Withdrawn 2007; Test Method for Purity and Benzene Content of Cyclohexane by Gas Chromatography*
- D3055 *Withdrawn 1995; Specification for Cyclohexane 995; Replaced by D5309*
- D3056-05(2010)** Test Method for Gel Time of Solventless Varnishes, **10.02**
- D3057 *Withdrawn 2000; Test Method for Moisture in Aerosol Products*
- D3058 *Withdrawn 1992; Specification for Simple Can-Puncturing Device for Aerosol Laboratory Use*
- D3059 *Withdrawn 1992; Method of Test for Percent Product Retention in Pressurized Food Containers*
- D3060-94(2013)** Test Method for Pressure Drop Rate of Compressed Gas-Propelled Products, **15.10**
- D3061-97(2013)** Guide for Three-Piece Steel and Tinplate Straight-Wall and Necked-In Aerosol Cans, **15.10**
- D3062 *Withdrawn 1994; Test Method for Solids Content of Aerosol Coatings*
- D3063 *Withdrawn 2000; Test Method for Pressure in Glass Aerosol Bottles*
- D3064-97(2013)** Terminology Relating To Aerosol Products, **15.10**
- D3065-01(2013)** Test Methods for Flammability of Aerosol Products, **15.10**
- D3066 *Withdrawn 1997; Practice for Labeling Aerosol Packages*
- D3067 *Withdrawn 1997; Practice for Reporting Laboratory Results When Checking Aerosol Containers*
- D3068 *Withdrawn 1997; Specification for Safe Fill of Aerosol Containers*
- D3069-94(2013)** Test Method for Delivery Rate of Aerosol Products, **15.10**
- D3070-00(2010)** Test Method of Rapid Pressure Determination of Pressurized Products, **15.10**
- D3071 *Withdrawn 2000; Test Method for Drop Testing of Glass Aerosol Bottles*
- D3072 *Withdrawn 1992; Test Methods for Volatile Content of Aerosol Products*
- D3073 *Withdrawn 1997; Practice for Filling and Inspection of Glass Aerosol Containers*
- D3074 *Withdrawn 2000; Test Methods for Pressure in Metal Aerosol Containers*
- D3075 *Withdrawn 2001; Test Method for Overrun of Food Aerosol Products*
- D3076-00(2010)** Test Methods for Effective Crimping on Outside Crimped Valves of Aerosol Containers, **15.10**
- D3077 *Withdrawn 1997; Practice for Comparison of Spray Patterns of Aerosol Products*
- D3078-02(2013)** Test Method for Determination of Leaks in Flexible Packaging by Bubble Emission, **15.10**
- D3079-94(2009)<sup>1</sup>** Test Method for Water Vapor Transmission of Flexible Heat-Sealed Packages for Dry Products, **15.10**
- D3080/D3080M-11** Test Method for Direct Shear Test of Soils Under Consolidated Drained Conditions, **04.08**
- D3081 *Withdrawn 1979; Method of Test for Selenium in Water*
- D3082-09** Test Method for Boron in Water, **11.01**
- D3084-05(2012)** Practice for Alpha-Particle Spectrometry of Water, **11.02**
- D3085 *Withdrawn 1989; Practice for Measurement of Low-Level Activity in Water*
- D3086 *Withdrawn 1996; Test Method for Organochlorine Pesticides in Water*
- D3087-91(2009)** Test Method for Operating Performance of Anion-Exchange Materials for Strong Acid Removal, **11.02**
- D3088 *Withdrawn 1981; Method of Test for Effectiveness of Aerosol and Pressurized Space Spray Insecticides Against Flying Insects; Replaced by E653*
- D3089-97(2008)** Practice for Determining the A-D Dimension of Aerosol Valve Dip Tubes, **15.10**
- D3090-72(2008)** Practice for Storage Testing of Aerosol Products, **15.10**
- D3091-72(2008)** Practice for Safe Filling of Low-Pressure Pressurized Products, **15.10**
- D3092 *Withdrawn 2002; Test Method for Particle-Size Distribution of Space-Insecticide Aerosol*
- D3093 *Withdrawn 1999; Test Method for Pickup Efficiency of Residual Aerosol Insecticides*
- D3094-00(2010)** Test Method for Seepage Rate of Aerosol Products, **15.10**
- D3095 *Withdrawn 1981; Method of Test for Effectiveness of Aerosol Insecticides Against Cockroaches; Replaced by E654*
- D3096 *Withdrawn 1992; Methods of Test for Liquid Densities of Pressurized Products*
- D3097 *Withdrawn 2003; Test Method for Aerosol Products for Delivered Mass*
- D3098 *Withdrawn 1990; Test Method for Finish Content of Woven Glass Fabric, Cleaned and After-Finished with Epoxy-Functional Silane Type Finishes for Plastic Finishes*
- D3099 *Withdrawn 1982; Method of Test for Pneumatic Ball Impact Resistance of Plastic Film and Sheet*
- D3100 *Withdrawn 1985; Practice for Determination of Alkalinity of Hollow Glass Microspheres*
- D3101 *Withdrawn 1985; Practice for Determination of Bulk Density and Packing Factor of Hollow Glass Microspheres*
- D3102 *Withdrawn 1985; Practice for Determination of Isostatic Collapse Strength of Hollow Glass Microspheres*
- D3103-07<sup>1</sup>** Test Method for Thermal Insulation Performance of Distribution Packages, **15.10**
- D3104-99(2010)** Test Method for Softening Point of Pitches (Mettler Softening Point Method), **05.01**
- D3105-08** Index of Methods for Testing Elastomeric and Plastomeric Roofing and Waterproofing Materials, **04.04**
- D3106-07(2012)** Test Method for Permanent Deformation of Elastomeric Yarns, **07.01**
- D3107-07(2011)** Test Methods for Stretch Properties of Fabrics Woven from Stretch Yarns, **07.01**
- D3108/D3108M-13** Test Method for Coefficient of Friction, Yarn to Solid Material, **07.01**
- D3109 *Withdrawn 1982; Specification for Fineness of Mohair and Assignment of Grade; Replaced by D3991*
- D3110 *Withdrawn 1997; Specification for Adhesives Used in Laminated Joints for Nonstructural Glued Lumber Products*
- D3111-10** Test Method for Flexibility Determination of Hot-Melt Adhesives by Mandrel Bend Test Method, **15.10**
- D3112 *Withdrawn 1990; Test Method for Lead in the Atmosphere by Colorimetric Dithizone Procedure*
- D3113 *Withdrawn 2005; Test Methods for Sodium Salts of EDTA in Water*
- D3114 *Withdrawn 1986; Method of Test for D-C Electrical Conductivity of Hydrocarbon Fuels; Replaced by D4308*
- D3115-95(2009)** Test Method for Explosive Reactivity of Lubricants with Aerospace Alloys Under High Shear, **05.01**
- D3116 *Withdrawn 1994; Test Method for Trace Amounts of Lead in Gasoline*
- D3117 *Withdrawn 2010; Test Method for Wax Appearance Point of Distillate Fuels*
- D3118 *Not Assigned*
- D3119 *Withdrawn 1990; Test Method for Mist Spray Flammability of Hydraulic Fluids*
- D3120-08** Test Method for Trace Quantities of Sulfur in Light Liquid Petroleum Hydrocarbons by Oxidative Microcoulometry, **05.01**
- D3121-06** Test Method for Tack of Pressure-Sensitive Adhesives by Rolling Ball, **15.10**
- D3122-95(2009)** Specification for Solvent Cements for Styrene-Rubber (SR) Plastic Pipe and Fittings, **08.04**
- D3123-09** Test Method for Spiral Flow of Low-Pressure Thermosetting Molding Compounds, **08.01**
- D3124-98(2011)** Test Method for Vinylidene Unsaturation in Polyethylene by Infrared Spectrophotometry, **08.01**
- D3125-06(2012)** Test Method for Monomethyl Ether of Hydroquinone in Colorless Monomeric Acrylate Esters and Acrylic Acid, **06.04**
- D3126 *Withdrawn 1987; Specification for n-Butyl Acetate (99 Percent Grade); Replaced by D4615*
- D3127 *Withdrawn 1987; Specification for Ethyl Acetate (99 Percent Grade); Replaced by D4614*
- D3128-07(2013)** Specification for 2-Methoxyethanol, **06.04**
- D3129 *Withdrawn 1997; Guide for Testing Exterior Latex House Paints; Replaced by D5324*
- D3130-11** Specification for n-Propyl Acetate (96 % Grade), **06.04**
- D3131-07(2013)** Specification for Isopropyl Acetate (99 % Grade), **06.04**
- D3132 *Withdrawn 2005; Test Method for Solubility Range of Resins and Polymers*
- D3133 *Withdrawn; Test Method for Quantitative Determination of Cellulose*

- Nitrate in Alkyd Modified Lacquers by Infrared Spectrophotometry*  
**D3134-97(2008)**<sup>1</sup> Practice for Establishing Color and Gloss Tolerances, **06.01**
- D3135-12** Specification for Performance of Bonded, Fused, and Laminated Apparel Fabrics, **07.01**
- D3136-14** Terminology Relating to Care Labeling for Apparel, Textile, Home Furnishing, and Leather Products, **07.01**
- D3137-81(2013)** Test Method for Rubber Property—Hydrolytic Stability, **09.01**
- D3138-04(2011)** Specification for Solvent Cements for Transition Joints Between Acrylonitrile-Butadiene-Styrene (ABS) and Poly(Vinyl Chloride) (PVC) Non-Pressure Piping Components, **08.04**
- D3139-98(2011)** Specification for Joints for Plastic Pressure Pipes Using Flexible Elastomeric Seals, **08.04**
- D3141/D3141M-09** Specification for Asphalt for Undersealing Portland-Cement Concrete Pavements, **04.03**
- D3142/D3142M-11** Test Method for Specific Gravity, API Gravity, or Density of Cutback Asphalts by Hydrometer Method, **04.03**
- D3143/D3143M-13** Test Method for Flash Point of Cutback Asphalt with Tag Open-Cup Apparatus, **04.03**
- D3144-00(2013)**<sup>1</sup> Specification for Crosslinked Poly(Vinylidene Fluoride) Heat-Shrinkable Tubing for Electrical Insulation, **10.02**
- D3145-13** Test Method for Thermal Endurance of Electrical Insulating Varnishes by the Helical Coil Method, **10.02**
- D3146 Withdrawn 1978; Specification for Oxidation-Inhibited Mineral Insulating Oil; Replaced by D3487*
- D3147-06(2013)** Test Method for Testing Stop-Leak Additives for Engine Coolants, **15.05**
- D3148 Withdrawn 2005; Test Method for Elastic Moduli of Intact Rock Core Specimens in Uniaxial Compression; Replaced by D7102*
- D3149-06(2013)** Specification for Crosslinked Polyolefin Heat-Shrinkable Tubing for Electrical Insulation, **10.02**
- D3150-11** Specification for Crosslinked and Noncrosslinked Poly(Vinyl Chloride) Heat-Shrinkable Tubing for Electrical Insulation, **10.02**
- D3151 Withdrawn 2007; Test Method for Thermal Failure of Solid Electrical Insulating Materials Under Electric Stress*
- D3152 Withdrawn 2007; Test Method for Capillary-Moisture Relationships for Fine-Textured Soils by Pressure-Membrane Apparatus; Replaced by D6836*
- D3153-87(2008)** Test Method for Recoatability of Water-Emulsion Floor Polishes, **15.04**
- D3154-14** Test Method for Average Velocity in a Duct (Pitot Tube Method), **11.07**
- D3155-11** Test Method for Lime Content of Uncured Soil-Lime Mixtures, **04.08**
- D3156-96(2011)** Practice for Rubber—Chromatographic Analysis of Antidegradants (Antioxidants, Antiozonants and Stabilizers), **09.01**
- D3157-05(2010)**<sup>1</sup> Test Method for Rubber from Natural Sources—Color, **09.01**
- D3158 Withdrawn 1984; Specification for Asphalt Saturated and Coated Organic Felt Used in Roofing*
- D3159-10** Specification for Modified ETFE-Fluoropolymer Molding and Extrusion Materials, **08.01**
- D3160-12** Test Method for Phenol Content of Cumene (Isopropylbenzene) or AMS ( $\alpha$ -Methylstyrene), **06.04**
- D3161/D3161M-13** Test Method for Wind-Resistance of Steep Slope Roofing Products (Fan-Induced Method), **04.04**
- D3162-12** Test Method for Carbon Monoxide in the Atmosphere (Continuous Measurement by Nondispersive Infrared Spectrometry), **11.07**
- D3163-01(2014)** Test Method for Determining Strength of Adhesively Bonded Rigid Plastic Lap-Shear Joints in Shear by Tension Loading, **15.06**
- D3164-03(2011)** Test Method for Strength Properties of Adhesively Bonded Plastic Lap-Shear Sandwich Joints in Shear by Tension Loading, **15.06**
- D3164M Withdrawn 2012; Test Method for Strength Properties of Adhesively Bonded Plastic Lap-Shear Sandwich Joints in Shear by Tension Loading*
- D3165-07(2014)** Test Method for Strength Properties of Adhesives in Shear by Tension Loading of Single-Lap-Joint Laminated Assemblies, **15.06**
- D3166-99(2012)** Test Method for Fatigue Properties of Adhesives in Shear by Tension Loading (Metal/Metal), **15.06**
- D3167-10** Test Method for Floating Roller Peel Resistance of Adhesives, **15.06**
- D3168-85(2011)** Practice for Qualitative Identification of Polymers in Emulsion Paints, **06.01**
- D3169 Withdrawn 2007; Specification for Refined Sunflower Oil*
- D3170-12** Test Method for Chipping Resistance of Coatings, **06.02**
- D3171-11** Test Methods for Constituent Content of Composite Materials, **15.03**
- D3172-13** Practice for Proximate Analysis of Coal and Coke, **05.06**
- D3173-11** Test Method for Moisture in the Analysis Sample of Coal and Coke, **05.06**
- D3174-12** Test Method for Ash in the Analysis Sample of Coal and Coke from Coal, **05.06**
- D3175-11** Test Method for Volatile Matter in the Analysis Sample of Coal and Coke, **05.06**
- D3176-09** Practice for Ultimate Analysis of Coal and Coke, **05.06**
- D3177 Withdrawn 2012; Test Methods for Total Sulfur in the Analysis Sample of Coal and Coke*
- D3178 Withdrawn 2007; Test Methods for Carbon and Hydrogen in the Analysis Sample of Coal and Coke; Replaced by D5373*
- D3179 Withdrawn 2008; Test Methods for Nitrogen in the Analysis Sample of Coal and Coke*
- D3180-12** Practice for Calculating Coal and Coke Analyses from As-Determined to Different Bases, **05.06**
- D3181-10** Guide for Conducting Wear Tests on Textiles, **07.01**
- D3182-07(2012)** Practice for Rubber—Materials, Equipment, and Procedures for Mixing Standard Compounds and Preparing Standard Vulcanized Sheets, **09.01**
- D3183-10** Practice for Rubber—Preparation of Pieces for Test Purposes from Products, **09.01**
- D3184-11** Practice for Rubber—Evaluation of NR (Natural Rubber), **09.01**
- D3185-06(2010)** Test Methods for Rubber—Evaluation of SBR (Styrene-Butadiene Rubber) Including Mixtures With Oil, **09.01**
- D3186-07(2011)** Test Methods for Rubber—Evaluation of SBR (Styrene-Butadiene Rubber) Mixed With Carbon Black or Carbon Black and Oil, **09.01**
- D3187-06(2011)** Test Methods for Rubber—Evaluation of NBR (Acrylonitrile-Butadiene Rubber), **09.01**
- D3188-06(2010)** Test Methods for Rubber—Evaluation of IIR (Isobutene-Isoprene Rubber), **09.01**
- D3189-06(2011)** Test Methods for Rubber—Evaluation of Solution BR (Polybutadiene Rubber), **09.01**
- D3190-06(2010)** Test Method for Rubber—Evaluation of Chloroprene Rubber (CR), **09.01**
- D3191-10** Test Methods for Carbon Black in SBR (Styrene-Butadiene Rubber)—Recipe and Evaluation Procedures, **09.01**
- D3192-09** Test Methods for Carbon Black Evaluation in NR (Natural Rubber), **09.01**
- D3193-09** Specification for Ethylbenzene, **06.04**
- D3194-04(2009)** Test Method for Rubber From Natural Sources—Plasticity Retention Index (PRI), **09.01**
- D3195/D3195M-10** Practice for Rotameter Calibration, **11.07**
- D3196 Withdrawn 1985; Method of Test for Rubber Properties in Tension Solid Urethanes; Replaced by D412*
- D3197 Withdrawn 1986; Specification for Insert-Type Polyethylene Fusion Fittings for SDR 11.0 Polyethylene Pipe*
- D3198-97(2007)** Test Method for Application and Removal Torque of Threaded or Lug-Style Closures, **15.10**
- D3199 Withdrawn 2001; Test Method for Water Vapor Transmission Through Screw-Cap Closure Liners*
- D3200-74(2012)** Specification and Test Method for Establishing Recommended Design Stresses for Round Timber Construction Poles, **04.10**
- D3201/D3201M-13** Test Method for Hygroscopic Properties of Fire-Retardant Wood and Wood-Based Products, **04.10**
- D3202 Withdrawn 2007; Practice for Preparation of Bituminous Mixture Beam Specimens by Means of the California Kneading Compactor*
- D3203/D3203M-11** Test Method for Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures, **04.03**
- D3204 Withdrawn 2004; Specification for Preformed Cellular Plastic Joint Fillers for Relieving Pressure*
- D3205 Withdrawn 2000; Test Method for Viscosity of Asphalt with Cone and Plate Viscometer*
- D3206-08** Test Method for Soil Resistance of Floor Polishes, **15.04**
- D3207-92(2008)** Test Method for Detergent Resistance of Floor Polish Films, **15.04**
- D3208 Withdrawn 2010; Specification for Manifold Papers for Permanent Records*
- D3209-93(2008)** Test Method for Freeze/Thaw Resistance of Polymer Floor Polishes, **15.04**
- D3210-95(2008)** Test Method for Comparing Colors of Films from Water-Emulsion Floor Polishes, **15.04**
- D3211 Withdrawn 1991; Test Method for Relative Density of Black Smoke (Ringelmann Method)*
- D3212-07(2013)** Specification for Joints for Drain and Sewer Plastic Pipes Using Flexible Elastomeric Seals, **08.04**
- D3213-13** Practices for Handling, Storing, and Preparing Soft Intact Marine Soil, **04.08**
- D3214 Withdrawn 2002; Test Methods for Coating Powders and Their Coatings Used for Electrical Insulation*
- D3215 Withdrawn 2003; Test Method for Measurement of the Specific Electrical Impedance of Electrical-Grade Magnesium Oxide for Use in Sheathed-Type Heating Elements*
- D3216 Withdrawn 1985; Method of Test for Grading Cotton Card Webs for Appearance*
- D3217/D3217M-13** Test Methods for Breaking Tenacity of Manufactured Textile Fibers in Loop or Knot Configurations, **07.01**
- D3218-07(2012)** Specification for Polyolefin Monofilaments, **07.01**
- D3219 Withdrawn 1992; Specification for Industrial Filament Yarns, Tire Cords, and Tire Cord Fabrics Made from Man-Made Organic-Base Fibers*
- D3220 Withdrawn 1989; Specification for Reinforced Polyterephthalate Thermoplastic Molding and Extrusion Materials; Replaced by D4507*
- D3221 Withdrawn 1989; Specification for Thermoplastic Polyterephthalate Molding and Extrusion Materials; Replaced by D4507*
- D3222-05(2010)** Specification for Unmodified Poly(Vinylidene Fluoride) (PVDF) Molding Extrusion and Coating Materials, **08.02**
- D3223-12** Test Method for Total Mercury in Water, **11.01**
- D3224 Withdrawn 2006; Test Method for Water Solubility of Auxiliary Solvent for Wood Preserving Solutions*
- D3225 Withdrawn 2006; Specification for Low-Boiling Hydrocarbon Solvent for Oil-Borne Preservatives*
- D3226 Withdrawn 1979; Method of Test for Sulfur Oxides in Flue Gases (Barium Chloranilate Controlled Condensation Method)*
- D3227-13** Test Method for (Thiol Mercaptan) Sulfur in Gasoline, Kerosine, Aviation Turbine, and Distillate Fuels (Potentiometric Method), **05.01**
- D3228-08** Test Method for Total Nitrogen in Lubricating Oils and Fuel Oils by Modified Kjeldahl Method, **05.01**

- D3229 *Withdrawn 1993; Method of Test for Low Levels of Lead in Gasoline by X-ray Spectrometry; Replaced by D5059*
- D3230-13 Test Method for Salts in Crude Oil (Electrometric Method), **05.01**
- D3231-13 Test Method for Phosphorus in Gasoline, **05.01**
- D3232 *Withdrawn 1994; Test Method for Measurement of Consistency of Lubricating Greases at High Temperatures*
- D3233-93(2009)<sup>1</sup> Test Methods for Measurement of Extreme Pressure Properties of Fluid Lubricants (Falex Pin and Vee Block Methods), **05.01**
- D3234 *Withdrawn 2004; Test Method for Abrasion Resistance of Petroleum Wax Coatings*
- D3235-06(2011) Test Method for Solvent Extractables in Petroleum Waxes, **05.01**
- D3236-88(2009) Test Method for Apparent Viscosity of Hot Melt Adhesives and Coating Materials, **05.01**
- D3237-12 Test Method for Lead in Gasoline by Atomic Absorption Spectroscopy, **05.01**
- D3238-95(2010) Test Method for Calculation of Carbon Distribution and Structural Group Analysis of Petroleum Oils by the n-d-M Method, **05.01**
- D3239-91(2011) Test Method for Aromatic Types Analysis of Gas-Oil Aromatic Fractions by High Ionizing Voltage Mass Spectrometry, **05.01**
- D3240-11 Test Method for Undissolved Water in Aviation Turbine Fuels, **05.01**
- D3241-13 Test Method for Thermal Oxidation Stability of Aviation Turbine Fuels, **05.01**
- D3242-11 Test Method for Acidity in Aviation Turbine Fuel, **05.01**
- D3243 *Withdrawn 1983; Method of Test for Flash-Point of Aviation Turbine Fuels by Setaflash Closed Tester; Replaced by D3828*
- D3244-12 Practice for Utilization of Test Data to Determine Conformance with Specifications, **05.01**
- D3245 *Withdrawn 2010; Test Method for Pumpability of Industrial Fuel Oils*
- D3246-11 Test Method for Sulfur in Petroleum Gas by Oxidative Microcoulometry, **05.01**
- D3247 *Withdrawn 1988; Test Method for Coefficient of Static Friction of Corrugated and Solid Fiberboard (Horizontal Plane Method); Replaced by D45210*
- D3248 *Withdrawn 1988; Test Method for Coefficient of Static Friction of Corrugated and Solid Fiberboard (Inclined Plane Method); Replaced by D4521*
- D3249-95(2011) Practice for General Ambient Air Analyzer Procedures, **11.07**
- D3250 *Withdrawn 1991; Test Method for Total Oxygen Demand in Water*
- D3251-04(2013) Test Method for Thermal Endurance Characteristics of Electrical Insulating Varnishes Applied Over Film-Insulated Magnet Wire, **10.02**
- D3252 *Withdrawn 1986; Method of Test for Undersized Loose Muscovite Mica Splittings*
- D3253 *Withdrawn 1991; Specification for Vulcanized Rubber Sheeting for Pond*
- D3254 *Withdrawn 1991; Specification for Fabric—Reinforced, Vulcanized Rubber Sheeting for Pond, Canal, and Reservoir Lining*
- D3255 *Withdrawn 1981; Method for Investigating the Compatibility of Transformer Insulation and Construction Materials in Askarels*
- D3256-86(2009) Test Methods for Chemical Analysis of Phthalocyanine Blue and Green Pigments, **06.03**
- D3257-06(2012) Test Methods for Aromatics in Mineral Spirits by Gas Chromatography, **06.04**
- D3258-04(2010)<sup>1</sup> Test Method for Porosity of White or Near White Paint Films by Staining, **06.02**
- D3259 *Withdrawn 2009; Practice for Infrared Determination of the Temperature of Applied Coatings on Wood Products During the Curing Cycle*
- D3260-01(2011) Test Method for Acid and Mortar Resistance of Factory-Applied Clear Coatings on Extruded Aluminum Products, **06.02**
- D3261-12 Specification for Butt Heat Fusion Polyethylene (PE) Plastic Fittings for Polyethylene (PE) Plastic Pipe and Tubing, **08.04**
- D3262-11 Specification for "Fiberglass" (Glass-Fiber-Reinforced Thermosetting-Resin) Sewer Pipe, **08.03**
- D3263 *Withdrawn 2008; Test Methods for Corrosivity of Solvent Systems for Removing Water-Formed Deposits*
- D3264 *Withdrawn 2003; Specification for Industrial Grade Aniline*
- D3265-13a Test Method for Carbon Black—Tint Strength, **09.01**
- D3266-91(2011) Test Method for Automated Separation and Collection of Particulate and Acidic Gaseous Fluoride in the Atmosphere (Double Paper Tape Sampler Method), **11.07**
- D3267-12 Test Method for Separation and Collection of Particulate and Water-Soluble Gaseous Fluorides in the Atmosphere (Filter and Impinger Method), **11.07**
- D3268-91(2011) Test Method for Separation and Collection of Particulate and Gaseous Fluorides in the Atmosphere (Sodium Bicarbonate-Coated Glass Tube and Particulate Filter Method), **11.07**
- D3269 *Withdrawn 2010; Test Methods for Analysis for Fluoride Content of the Atmosphere and Plant Tissues (Manual Procedures)*
- D3270-13 Test Methods for Analysis for Fluoride Content of the Atmosphere and Plant Tissues (Semiautomated Method), **11.07**
- D3271-87(2012) Practice for Direct Injection of Solvent-Reducible Paints Into a Gas Chromatograph for Solvent Analysis, **06.01**
- D3272 *Withdrawn 2008; Practice for Vacuum Distillation of Solvents From Solvent-Reducible Paints For Analysis*
- D3273-12 Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber, **06.01**
- D3274-09(2013) Test Method for Evaluating Degree of Surface Disfigurement of Paint Films by Fungal or Algal Growth, or Soil and Dirt Accumulation, **06.01**
- D3275-08(2013) Classification System for E-CTFE-Fluoroplastic Molding, Extrusion, and Coating Materials, **08.02**
- D3276-07 Guide for Painting Inspectors (Metal Substrates), **06.02**
- D3277 *Withdrawn 2010; Test Methods for Moisture Content of Oil-Impregnated Cellulosic Insulation*
- D3278-96(2011) Test Methods for Flash Point of Liquids by Small Scale Closed-Cup Apparatus, **06.01**
- D3279-12 Test Method for n-Heptane Insolubles, **04.03**
- D3280-85(2009) Test Methods for Analysis of White Zinc Pigments, **06.03**
- D3281 *Withdrawn 1995; Test Method for Formability of Attached Organic Coatings with Impact-Wedge Bend Apparatus*
- D3282-09 Practice for Classification of Soils and Soil-Aggregate Mixtures for Highway Construction Purposes, **04.08**
- D3283-98(2012) Specification for Air as an Electrical Insulating Material, **10.03**
- D3284-05(2011) Practice for Combustible Gases in the Gas Space of Electrical Apparatus Using Portable Meters, **10.03**
- D3285 *Withdrawn 2010; Test Method for Water Absorptiveness of Nonbibulous Paper and Paperboard (Cobb Test)*
- D3286 *Withdrawn 2000; Test Method for Gross Calorific Value of Coal and Coke by the Isoperibol Bomb Calorimeter; Replaced by D5865*
- D3287 *Withdrawn 1991; Specification for Biaxially Oriented Polyethylene (PEO) Plastic Pipe (SDR-PR) Based on Controlled Outside Diameter*
- D3288/D3288M-08 Test Methods for Magnet-Wire Enamels, **10.02**
- D3289-08 Test Method for Density of Semi-Solid and Solid Bituminous Materials (Nickel Crucible Method), **04.03**
- D3290 *Withdrawn 2010; Specification for Bond and Ledger Papers for Permanent Records*
- D3291-11 Practice for Compatibility of Plasticizers in Poly(Vinyl Chloride) Plastics Under Compression, **08.02**
- D3292 *Withdrawn 1982; Recommended Practice for Powder Flow Measurement of TFE-Fluorocarbon Molding and Extrusion Materials*
- D3293 *Withdrawn 1997; Specification for PTFE Resin Molded Sheet; Replaced by D3294*
- D3294-09 Specification for Polytetrafluoroethylene (PTFE) Resin Molded Sheet and Molded Basic Shapes, **08.02**
- D3295-06(2011) Specification for PTFE Tubing, Miniature Beading and Spiral Cut Tubing, **08.02**
- D3296-14 Specification for FEP-Fluorocarbon Tube, **08.02**
- D3297 *Withdrawn 1997; Practice for Molding and Machining Tolerances for PTFE Resin Parts*
- D3298 *Withdrawn 1989; Specification for Perforated Styrene-Rubber (SR) Plastic Drain Pipe*
- D3299-10 Specification for Filament-Wound Glass-Fiber-Reinforced Thermoset Resin Corrosion-Resistant Tanks, **08.03**
- D3300-12 Test Method for Dielectric Breakdown Voltage of Insulating Oils of Petroleum Origin Under Impulse Conditions, **10.03**
- D3301 *Withdrawn 2010; Specification for File Folders for Storage of Permanent Records*
- D3302/D3302M-12 Test Method for Total Moisture in Coal, **05.06**
- D3303 *Withdrawn 1984; Method for Rapid Gas Chromatographic Estimation of Higher Boiling Homologues of Chlorinated Biphenyls for Capacitor Askarels*
- D3304 *Withdrawn 1993; Method for Analysis of Environmental Materials for Polychlorinated Biphenyls*
- D3305 *Withdrawn 2014; Practice for Sampling Small Gas Volume in a Transformer*
- D3306-14 Specification for Glycol Base Engine Coolant for Automobile and Light-Duty Service, **15.05**
- D3307-10 Specification for Perfluoroalkoxy (PFA)-Fluorocarbon Resin Molding and Extrusion Materials, **08.02**
- D3308-12 Specification for PTFE Resin Skived Tape, **08.02**
- D3309 *Withdrawn 2010; Specification for Polybutylene (PB) Plastic Hot- and Cold-Water Distribution Systems*
- D3310-00(2014) Test Method for Determining Corrosivity of Adhesive Materials, **15.06**
- D3311-11 Specification for Drain, Waste, and Vent (DWV) Plastic Fittings Patterns, **08.04**
- D3312-04(2013) Test Method for Percent Reactive Monomer in Solventless Varnishes, **10.02**
- D3313-12 Test Method for Carbon Black—Individual Pellet Hardness, **09.01**
- D3314-02(2012) Test Method for Rubber—Chemical Analysis for Polystyrene Blocks in SBR (Styrene-Butadiene Rubber) and Styrene-Reinforced Latexes, **09.01**
- D3315 *Withdrawn 1989; Test Method for Radioactive Zirconium in Water*
- D3316-06(2011) Test Method for Stability of Perchloroethylene with Copper, **15.05**
- D3317 *Withdrawn 1986; Specification for High Modulus, Organic Yarn and Roving*
- D3318 *Withdrawn 1984; Specification for Woven Cloth from High Modulus Organic Fiber*
- D3319-11 Practice for the Accelerated Polishing of Aggregates Using the British Wheel, **04.03**
- D3320 *Withdrawn 2013; Specification for Emulsified Coal-Tar Pitch (Mineral Colloid Type)*
- D3321-13 Test Method for Use of the Refractometer for Field Test Determination of the Freezing Point of Aqueous Engine Coolants, **15.05**
- D3322-82(2011) Practice for Testing Primers and Primer Surfacers Over Preformed Metal, **06.02**
- D3323 *Withdrawn 1993; Guide for Testing Interior Solvent-Thinned Flat Wall Paints; Replaced by D5146*

- D3324 *Withdrawn 2003; Practice for Carbon Black—Improving Test Reproducibility Using ASTM Standard Reference Blacks; Replaced by D4821*
- D3325-90(2013)** Practice for Preservation of Waterborne Oil Samples, **11.02**
- D3326-07(2011)** Practice for Preparation of Samples for Identification of Waterborne Oils, **11.02**
- D3327 *Withdrawn 1994; Test Methods for Analysis of Selected Elements in Waterborne Oils*
- D3328-06(2013)** Test Methods for Comparison of Waterborne Petroleum Oils by Gas Chromatography, **11.02**
- D3329-03(2009)** Test Method for Purity of Methyl Isobutyl Ketone by Gas Chromatography, **06.04**
- D3330/D3330M-04(2010)** Test Method for Peel Adhesion of Pressure-Sensitive Tape, **15.10**
- D3331 *Withdrawn 1985; Method of Test for Assessment of Mechanical-Shock Fragility Using Package Cushioning Materials*
- D3332-99(2010)** Test Methods for Mechanical-Shock Fragility of Products, Using Shock Machines, **15.10**
- D3333-07(2012)** Practice for Sampling Manufactured Staple Fibers, Sliver, or Tow for Testing, **07.01**
- D3334 *Withdrawn 1990; Method of Testing Fabrics Woven From Polyolefin Monofilaments*
- D3335-85a(2009)** Test Method for Low Concentrations of Lead, Cadmium, and Cobalt in Paint by Atomic Absorption Spectroscopy, **06.01**
- D3336-05(2010)** Test Method for Life of Lubricating Greases in Ball Bearings at Elevated Temperatures, **05.01**
- D3337 *Withdrawn 2009; Test Method for Determining Life and Torque of Lubricating Greases in Small Ball Bearings*
- D3338/D3338M-09** Test Method for Estimation of Net Heat of Combustion of Aviation Fuels, **05.01**
- D3339-12** Test Method for Acid Number of Petroleum Products by Semi-Micro Color Indicator Titration, **05.01**
- D3340 *Withdrawn 2013; Test Method for Lithium and Sodium in Lubricating Greases by Flame Photometer*
- D3341-05(2011)** Test Method for Lead in Gasoline—Iodine Monochloride Method, **05.01**
- D3342-90(2012)** Test Method for Dispersion Stability of New (Unused) Rolling Oil Dispersions in Water, **05.01**
- D3343-05(2010)** Test Method for Estimation of Hydrogen Content of Aviation Fuels, **05.01**
- D3344-90(2010)** Test Method for Total Wax Content of Corrugated Paperboard, **05.01**
- D3345-08** Test Method for Laboratory Evaluation of Wood and Other Cellulosic Materials for Resistance to Termites, **04.10**
- D3346-12** Test Methods for Rubber Property—Processability of Emulsion SBR (Styrene-Butadiene Rubber) With the Mooney Viscometer (Delta Mooney), **09.01**
- D3347 *Withdrawn 2003; Test Method for Flow Rate and Tap Density of Electrical Grade Magnesium Oxide For Use in Sheathed Heating Elements*
- D3348-12** Test Method for Rapid Field Test for Trace Lead in Unleaded Gasoline (Colorimetric Method), **05.01**
- D3349-12** Test Method for Absorption Coefficient of Ethylene Polymer Material Pigmented with Carbon Black, **10.02**
- D3350-12<sup>1</sup>** Specification for Polyethylene Plastics Pipe and Fittings Materials, **08.02**
- D3351 *Withdrawn 2000; Test Method for Gel Count of Plastic Film*
- D3352-08a** Test Method for Strontium Ion in Brackish Water, Seawater, and Brines, **11.02**
- D3353-10** Test Methods for Fibrous-Insulated Magnet Wire, **10.02**
- D3354-11** Test Method for Blocking Load of Plastic Film by the Parallel Plate Method, **08.02**
- D3355 *Withdrawn 1988; Method of Test for Fiber Content of Unidirectional Fiber-Resin Composites by Electrical Resistivity*
- D3356 *Withdrawn 1992; Specification for Fittings for Bituminized Fiber Drain and Sewer Pipe*
- D3357 *Withdrawn 1991; Test Method for Radioactive Nickel in Water*
- D3358 *Withdrawn 1994; Guide for Testing Water-Borne Floor Paints; Replaced by D5324*
- D3359-09<sup>2</sup>** Test Methods for Measuring Adhesion by Tape Test, **06.01**
- D3360 *Withdrawn 2003; Test Method for Particle Size Distribution by Hydrometer of the Common White Extender Pigments*
- D3361/D3361M-13** Practice for Unfiltered Open-Flame Carbon-Arc Exposures of Paint and Related Coatings, **06.01**
- D3362 *Withdrawn 2011; Test Method for Purity of Acrylate Esters by Gas Chromatography*
- D3363-05(2011)<sup>2</sup>** Test Method for Film Hardness by Pencil Test, **06.01**
- D3364-99(2011)** Test Method for Flow Rates for Poly(Vinyl Chloride) with Molecular Structural Implications, **08.02**
- D3365 *Withdrawn 1987; Method of Test for Concentration and Particle Size Distribution of Airborne Particulates Collected in Liquid Media Using an Electronic Counter*
- D3366 *Withdrawn 2012; Test Method for Color of Maleic Anhydride and Phthalic Anhydride in the Molten State and After Heating (Platinum-Cobalt Scale)*
- D3367-13** Test Method for Plasticizer Sorption of Poly(Vinyl Chloride) Resins Under Applied Centrifugal Force, **08.02**
- D3368-14** Specification for FEP-Fluorocarbon Sheet and Film, **08.02**
- D3369 *Withdrawn 2006; Specification for Polytetrafluoroethylene (PTFE) Resin Cast Film*
- D3370-10** Practices for Sampling Water from Closed Conduits, **11.01**
- D3371 *Withdrawn 2002; Test Method for Nitriles in Aqueous Solution by Gas-Liquid Chromatography*
- D3372-12** Test Method for Molybdenum in Water, **11.01**
- D3373-12** Test Method for Vanadium in Water, **11.01**
- D3374/D3374M-14** Specification for Vinyl-Coated Glass Yarns, **07.01**
- D3375-95a(2007)** Test Method for Column Capacity of Particulate Mixed Bed Ion-Exchange Materials, **11.02**
- D3376-88(2009)** Test Methods of Sampling and Testing Pulps to be Used in the Manufacture of Electrical Insulation, **10.02**
- D3377-04(2013)** Test Method for Weight Loss of Solventless Varnishes, **10.02**
- D3378 *Withdrawn 1985; Specification for Asphalt-Saturated and Coated Asbestos Felt Base Sheet Used in Roofing*
- D3380-10** Test Method for Relative Permittivity (Dielectric Constant) and Dissipation Factor of Polymer-Based Microwave Circuit Substrates, **10.02**
- D3381/D3381M-13** Specification for Viscosity-Graded Asphalt Cement for Use in Pavement Construction, **04.03**
- D3382-13** Test Methods for Measurement of Energy and Integrated Charge Transfer Due to Partial Discharges (Corona) Using Bridge Techniques, **10.02**
- D3383 *Withdrawn 1993; Guide for Testing Solvent-Thinned Floor Paints; Replaced by D5146*
- D3384 *Withdrawn 1977; Method of Test for Powder Resistance of Floor Polish Films; Replaced by D2048*
- D3385-09** Test Method for Infiltration Rate of Soils in Field Using Double-Ring Infiltrometer, **04.08**
- D3386 *Withdrawn 2005; Test Method for Coefficient of Linear Thermal Expansion of Electrical Insulating Materials; Replaced by E381*
- D3387-11** Test Method for Compaction and Shear Properties of Bituminous Mixtures by Means of the U.S. Corps of Engineers Gyrotory Testing Machine (GTM), **04.03**
- D3388 *Withdrawn 1984; Method of Testing Coated Fabrics—Stiffening at Low Temperatures (Torsional Wire Apparatus); Combined with D 1053*
- D3389-10** Test Method for Coated Fabrics Abrasion Resistance (Rotary Platform Abrader), **09.02**
- D3390 *Withdrawn 1986; Specification for Rubber Semiconducting Tape*
- D3391 *Withdrawn 1986; Specification for High Voltage Rubber Insulating Tape*
- D3392 *Withdrawn 1984; Recommended Practice for Carbon Black Extractables—Light-Absorption Characteristics*
- D3393-91(2014)** Specification for Coated Fabrics—Waterproofness, **09.02**
- D3394-94(2009)** Test Methods for Sampling and Testing Electrical Insulating Board, **10.02**
- D3395 *Withdrawn 2008; Test Methods for Rubber Deterioration—Dynamic Ozone Cracking in a Chamber; Replaced by D1149*
- D3396 *Withdrawn 1990; Recommended Practice for Carbon Black—Measuring the Precision of ASTM Test Methods; Replaced by D4483*
- D3397 *Withdrawn 1989; Method for Triaxial Classification of Base Materials*
- D3398 *Withdrawn 2013; Test Method for Index of Aggregate Particle Shape and Texture*
- D3399 *Withdrawn 2000; Specification for General-Purpose Synthetic Detergent Liquid*
- D3400 *Withdrawn 2001; Specification for Liquid Sodium Silicates*
- D3401-97(2012)** Test Methods for Water in Halogenated Organic Solvents and Their Admixtures, **15.05**
- D3402/D3402M-93(2008)** Test Method for Tumbler Test for Coke, **05.06**
- D3403-07(2011)** Test Methods for Rubber—Evaluation of IR (Isoprene Rubber), **09.01**
- D3404-91(2013)** Guide for Measuring Matrix Potential in Vadose Zone Using Tensiometers, **04.08**
- D3405 *Withdrawn 2002; Specification for Joint Sealants, Hot-Applied, for Concrete and Asphalt Pavements*
- D3406 *Withdrawn 2012; Specification for Joint Sealant, Hot-Applied, Elastomeric-Type, for Portland Cement Concrete Pavements*
- D3408 *Withdrawn 1988; Methods of Testing Joint Sealants, Hot-Poured, Elastomeric-Type, for Portland Cement Concrete Pavements; Replaced by D3583*
- D3409-93(2008)** Test Method for Adhesion of Asphalt-Roof Cement to Damp, Wet, or Underwater Surfaces, **04.04**
- D3410/D3410M-03(2008)** Test Method for Compressive Properties of Polymer Matrix Composite Materials with Unsupported Gage Section by Shear Loading, **15.03**
- D3411 *Withdrawn 1982; Method of Test for Flammability of Textile Materials*
- D3412/D3412M-13** Test Method for Coefficient of Friction, Yarn to Yarn, **07.01**
- D3413 *Withdrawn 1991; Test Method for Lead (Inorganic) in Workplace Atmospheres by Atomic Absorption Spectrometry*
- D3414-98(2011)<sup>1</sup>** Test Method for Comparison of Waterborne Petroleum Oils by Infrared Spectroscopy, **11.02**
- D3415-98(2011)** Practice for Identification of Waterborne Oils, **11.02**
- D3416 *Withdrawn 1993; Test Method for Total Hydrocarbons, Methane, and Carbon Monoxide (Gas Chromatographic Method)*
- D3417 *Withdrawn 2004; Test Method for Enthalpies of Fusion and Crystallization of Polymers by Differential Scanning Calorimetry (DSC); Replaced by D3418*
- D3418-12<sup>1</sup>** Test Method for Transition Temperatures and Enthalpies of Fusion and Crystallization of Polymers by Differential Scanning Calorimetry, **08.02**
- D3419-12** Practice for In-Line Screw-Injection Molding Test Specimens From Thermosetting Compounds, **08.02**
- D3420-08a** Test Method for Pendulum Impact Resistance of Plastic Film, **08.02**
- D3421 *Withdrawn 1987; Recommended Practice for Extraction and*

- Determination of Plasticizer Mixtures from Vinyl Chloride Plastics*
- D3422 *Withdrawn 1985; Method of Test for Toluene Diisocyanate Concentrations in Workplace Atmospheres*
- D3423/D3423M-84(2011)<sup>1</sup> Practice for Application of Emulsified Coal-Tar Pitch (Mineral Colloid Type), **04.04**
- D3424-11 Practice for Evaluating the Relative Lightfastness and Weatherability of Printed Matter, **06.02**
- D3425 *Withdrawn 1993; Guide for Testing Solvent-Based Interior Semigloss Wall and Trim Enamels; Replaced by D5146*
- D3426-97(2012) Test Method for Dielectric Breakdown Voltage and Dielectric Strength of Solid Electrical Insulating Materials Using Impulse Waves, **10.02**
- D3427-12 Test Method for Air Release Properties of Petroleum Oils, **05.01**
- D3428 *Withdrawn 1990; Test Method for Torque Stability Wear and Brine Sensitivity Evaluation of Ball Joint Greases*
- D3429-93(2012) Test Method for Solubility of Fixed Gases in Low-Boiling Liquids, **05.01**
- D3430-95(2008) Test Method for Clarity and Yellowness of Liquid Water-Based Clear Floor Polishes, **15.04**
- D3431 *Withdrawn 1993; Test Method for Trace Nitrogen in Liquid Petroleum Hydrocarbons (Microcoulometric Method)*
- D3432 *Withdrawn 2004; Test Method for Unreacted Toluene Diisocyanates in Urethane Prepolymers and Coating Solutions by Gas Chromatography*
- D3433-99(2012) Test Method for Fracture Strength in Cleavage of Adhesives in Bonded Metal Joints, **15.06**
- D3434-00(2013) Test Method for Multiple-Cycle Accelerated Aging Test (Automatic Boil Test) for Exterior Wet Use Wood Adhesives, **15.06**
- D3435 *Withdrawn 1989; Specification for Plastic Containers (Jerry Cans) for Petroleum Products*
- D3436 *Withdrawn 2005; Practice for Sampling and Handling Aniline*
- D3437-11 Practice for Sampling and Handling Liquid Cyclic Products, **06.04**
- D3438-10 Practice for Sampling and Handling Naphthalene, Maleic Anhydride, and Phthalic Anhydride, **06.04**
- D3439 *Withdrawn 1995; Test Methods for Assay of Alkaline Cresylate Solutions from Petroleum Sources*
- D3440-13 Guide for Preparing Specifications for Water-Emulsion Floor Polishes, **15.04**
- D3441 *Withdrawn 2014; Test Method for Mechanical Cone Penetration Tests of Soil*
- D3442 *Withdrawn 2000; Test Method for Gaseous Tritium Content of the Atmosphere*
- D3443-00(2010)<sup>1</sup> Test Method for Chloride in Trichlorotrifluoroethane, **15.05**
- D3444-00(2010)<sup>1</sup> Test Method for Total Acid Number of Trichlorotrifluoroethane, **15.05**
- D3445 *Withdrawn 1991; Test Method for Nonvolatile Matter in Trichlorotrifluoroethane; Replaced by D2109*
- D3446 *Withdrawn 1993; Test Method for Water Content of Trichlorotrifluoroethane with Karl Fischer Reagent*
- D3447 *Withdrawn 2004; Test Method for Purity of Halogenated Organic Solvents; Replaced by D6806*
- D3448-10 Test Method for Specific Aqueous Conductance of Trichlorotrifluoroethane, **15.05**
- D3449 *Withdrawn 1990; Test Method for Sulfur Dioxide in Workplace Atmospheres (Barium Perchlorate Method)*
- D3450-00(2010)<sup>1</sup> Test Method for Washability Properties of Interior Architectural Coatings, **06.02**
- D3451-06(2012) Guide for Testing Coating Powders and Powder Coatings, **06.02**
- D3452-06(2012) Practice for Rubber—Identification by Pyrolysis-Gas Chromatography, **09.01**
- D3453-12 Specification for Flexible Cellular Materials—Urethane for Furniture and Automotive Cushioning, Bedding, and Similar Applications, **08.02**
- D3454-11 Test Method for Radium-226 in Water, **11.02**
- D3455-11 Test Methods for Compatibility of Construction Material with Electrical Insulating Oil of Petroleum Origin, **10.03**
- D3456-86(2012) Practice for Determining by Exterior Exposure Tests the Susceptibility of Paint Films to Microbiological Attack, **06.01**
- D3457 *Withdrawn 2000; Test Method for Preparation of Methyl Esters from Fatty Acids for Determination of Fatty Acid Composition by Gas-Liquid Chromatography*
- D3458 *Withdrawn 2010; Specification for Copies from Office Copying Machines for Permanent Records*
- D3459 *Withdrawn 2007; Test Method for Humid-Dry Cycling for Coatings on Wood and Wood Products*
- D3460-07 Specification for White Watermarked and Unwatermarked Bond, Reprographic, and Laser Printer Cut-Sized Office Papers, **15.09**
- D3461-97(2012) Test Method for Softening Point of Asphalt and Pitch (Mettler Cup-and-Ball Method), **05.01**
- D3462/D3462M-10a Specification for Asphalt Shingles Made from Glass Felt and Surfaced with Mineral Granules, **04.04**
- D3463 *Withdrawn 1993; Practice for Compression Molding of Specimens of Rigid Acrylonitrile-Butadiene-Styrene (ABS) plastics; Replaced by D4703*
- D3464-96(2014) Test Method for Average Velocity in a Duct Using a Thermal Anemometer, **11.07**
- D3465-14 Test Method for Purity of Monomeric Plasticizers by Gas Chromatography, **08.02**
- D3466-06(2011) Test Method for Ignition Temperature of Granular Activated Carbon, **15.01**
- D3467-04(2009) Test Method for Carbon Tetrachloride Activity of Activated Carbon, **15.01**
- D3468/D3468M-99(2013)<sup>1</sup> Specification for Liquid-Applied Neoprene and Chlorosulfonated Polyethylene Used in Roofing and Waterproofing, **04.04**
- D3469-97(2007) Test Methods for Measurement of Vertical Downward Forces to Disengage Type IIA Lug-Style Child-Resistant Closures, **15.10**
- D3470-97(2007) Test Method for Measurement of Removal Lug Strippage of Type IIA Child-Resistant Closures, **15.10**
- D3471 *Withdrawn 1994; Test Method for Top-Load-to-Engage Removal Lugs on Type IA Child-Resistant Closures*
- D3472-97(2007) Test Method for Reverse-Ratchet Torque of Type IA Child-Resistant Closures, **15.10**
- D3473 *Withdrawn 2001; Test Methods for Lifting Force Required to Remove Certain Child-Resistant Snap Caps*
- D3474-90(2012) Practice for Calibration and Use of Torque Meters Used in Packaging Applications, **15.10**
- D3475-13 Classification of Child-Resistant Packages, **15.10**
- D3476 *Withdrawn 1991; Test Method for bis (Chloromethyl) Ether (bis CME) in Workplace Atmospheres (Gas Chromatography—Mass Spectrometry)*
- D3477 *Withdrawn 2005; Performance Specification for Men's and Boys' Woven Dress Shirt Fabrics; Replaced by D7020*
- D3478 *Withdrawn 1992; Test Method for Chlorinated Phenoxy Acid Herbicides in Water; Replaced by D5317*
- D3479/D3479M-12 Test Method for Tension-Tension Fatigue of Polymer Matrix Composite Materials, **15.03**
- D3480 *Withdrawn 1999; Test Methods for Downward Force Required to Open or Activate Child-Resistant Snap-Engagement Packages*
- D3481-06(2011) Test Method for Manual Shelling Two-Piece Child-Resistant Closures That Are Activated by Two Simultaneous Dissimilar Motions, **15.10**
- D3482-07a(2014) Practice for Determining Electrolytic Corrosion of Copper by Adhesives, **15.06**
- D3483-14 Test Methods for Accumulated Deposition in a Steam Generator Tube, **11.02**
- D3484-06(2010) Test Methods for Rubber—Evaluation of Oil-Extended Solution BR (Polybutadiene Rubber), **09.01**
- D3485 *Specification for Withdrawn 2011; Smooth-Wall Coilable Polyethylene (PE) Conduit (Duct) for Preassembled Wire and Cable*
- D3486 *Withdrawn 1995; Practice for Installation of Vulcanizable Rubber Tank Linings and Pipe Linings*
- D3487-09 Specification for Mineral Insulating Oil Used in Electrical Apparatus, **10.03**
- D3488 *Withdrawn 1983; Recommended Practice for Rubber—Measuring the Precision of ASTM Test Methods*
- D3489-11 Test Methods for Microcellular Urethane Materials, **08.02**
- D3490 *Withdrawn 1997; Specification for Flexible Cellular Materials—Bonded Urethane Foam*
- D3491 *Withdrawn 1997; Test Methods for Vulcanizable Rubber Tank and Pipe Lining*
- D3492-08 Specification for Rubber Contraceptives (Male Condoms), **09.02**
- D3493-13 Test Method for Carbon Black—Oil Absorption Number of Compressed Sample (COAN), **09.01**
- D3494 *Withdrawn 2000; Specification for Water-Emulsion Floor Polish Remover*
- D3495-10 Test Method for Hexane Extraction of Leather, **15.04**
- D3496 *Withdrawn 2010; Practice for Preparation of Bituminous Mixture Specimens for Dynamic Modulus Testing*
- D3497 *Withdrawn 2009; Test Method for Dynamic Modulus of Asphalt Mixtures*
- D3498-03(2011) Specification for Adhesives for Field-Gluing Plywood to Lumber Framing for Floor Systems, **15.06**
- D3499-11 Test Method for Toughness of Wood-Based Structural Panels, **04.10**
- D3500-90(2009) Test Methods for Structural Panels in Tension, **04.10**
- D3501-05a(2011) Test Methods for Wood-Based Structural Panels in Compression, **04.10**
- D3502 *Withdrawn 1984; Test Method for Moisture Absorption of Compressed Wood Products*
- D3503 *Withdrawn 1984; Test Method for Swelling and Recovery of Compressed Wood Products Due to Moisture Absorption*
- D3504 *Withdrawn 2012; Specification for Maleic Anhydride*
- D3505-12<sup>1</sup> Test Method for Density or Relative Density of Pure Liquid Chemicals, **06.04**
- D3506 *Withdrawn 1993; Specification for Inhibited Grade Methylene Chloride for Preparing Pentachlorophenol Solutions*
- D3507 *Withdrawn 2008; Test Methods for Penetration of Preservatives in Wood and for Differentiating Between Heartwood and Sapwood*
- D3508 *Withdrawn 1995; Method for Evaluating Water Testing Membrane Filters for Fecal Coliform Recovery*
- D3509 *Withdrawn 1987; Test Method for Electrostatic Field Strength Due to Surface Charges; Replaced by D4470*
- D3510 *Withdrawn 1987; Test Method for Swelling and Recovery of Compressed Wood Products Due to Moisture Absorption*
- D3511/D3511M-13 Test Method for Pilling Resistance and Other Related Surface Changes of Textile Fabrics: Brush Pilling Tester, **07.01**
- D3512/D3512M-10(2014) Test Method for Pilling Resistance and Other Related Surface Changes of Textile Fabrics: Random Tumble Pilling Tester, **07.01**
- D3513-02(2012) Test Method for Overlength Fiber Content of Manufactured Staple Fiber, **07.01**
- D3514/D3514M-10(2014) Test Method for Pilling Resistance and Other Related Surface Changes of Textile Fabrics: Elastomeric Pad, **07.01**

- D3515 *Withdrawn 2009; Specification for Hot-Mixed, Hot-Laid Bituminous Paving Mixtures*
- D3516-89(2011)** Test Methods for Ashing Cellulose, **06.03**
- D3517-14** Specification for "Fiberglass" (Glass-Fiber-Reinforced Thermosetting-Resin) Pressure Pipe, **08.03**
- D3518/D3518M-13** Test Method for In-Plane Shear Response of Polymer Matrix Composite Materials by Tensile Test of a  $\pm 45^\circ$  Laminate, **15.03**
- D3519 *Withdrawn 2013; Test Method for Foam in Aqueous Media (Blender Test)*
- D3520 *Withdrawn 2008; Test Method for Quenching Time of Heat-Treating Fluids (Magnetic Quencher Method)*
- D3521-86(2012)** Test Method for Surface Wax Coating On Corrugated Board, **05.01**
- D3522 *Withdrawn 2012; Test Method for Applied Coating Wax and Impregnating (Saturating) Wax in Corrugated Board Facing*
- D3523-92(2012)** Test Method for Spontaneous Heating Values of Liquids and Solids (Differential Mackey Test), **05.01**
- D3524 *Withdrawn 2013; Test Method for Diesel Fuel Diluent in Used Diesel Engine Oils by Gas Chromatography*
- D3525-04(2010)** Test Method for Gasoline Diluent in Used Gasoline Engine Oils by Gas Chromatography, **05.01**
- D3526 *Not Assigned*
- D3527-11** Test Method for Life Performance of Automotive Wheel Bearing Grease, **05.01**
- D3528-96(2008)** Test Method for Strength Properties of Double Lap Shear Adhesive Joints by Tension Loading, **15.06**
- D3529M-10** Test Methods for Constituent Content of Composite Prepreg, **15.03**
- D3530-97(2008)<sup>2</sup>** Test Method for Volatiles Content of Composite Material Prepreg, **15.03**
- D3531/D3531M-11** Test Method for Resin Flow of Carbon Fiber-Epoxy Prepreg, **15.03**
- D3532/D3532M-12** Test Method for Gel Time of Carbon Fiber-Epoxy Prepreg, **15.03**
- D3533 *Withdrawn 2006; Test Method for Rubber—Nitrogen Content*
- D3534 *Withdrawn 2003; Test Method for Polychlorinated Biphenyls (PCBs) in Water*
- D3535-07a(2013)** Test Method for Resistance to Creep Under Static Loading for Structural Wood Laminating Adhesives Used Under Exterior Exposure Conditions, **15.06**
- D3536 *Withdrawn 1996; Test Method for Molecular Weight Averages and Molecular Weight Distribution of Polystyrene by Liquid Exclusion Chromatography (Gel Permeation Chromatography—GPC); Replaced by D5296*
- D3537 *Withdrawn 1985; Test Method for Tensile Adhesion of Spray-Applied Rigid Urethane Foam in the Field*
- D3538 *Withdrawn 1981; Recommended Practices for Sampling and Handling Cresylic Acid; Replaced by D3852*
- D3539-11** Test Methods for Evaporation Rates of Volatile Liquids by Shell Thin-Film Evaporometer, **06.01**
- D3540-12** Specification for Primary Amyl Acetate, Synthetic (98 % Grade), **06.04**
- D3541 *Specification for Withdrawn 2011; Specification for 2-Ethylhexyl Acrylate*
- D3542-08(2013)** Specification for Preformed Polychloroprene Elastomeric Joint Seals for Bridges, **04.03**
- D3543-93(2008)** Test Method for Metal Glide Adhesion, **15.04**
- D3544 *Withdrawn 2003; Guide for Reporting Test Methods and Results on High Modulus Fibers*
- D3545-06(2012)** Test Method for Alcohol Content and Purity of Acetate Esters by Gas Chromatography, **06.04**
- D3546-05(2011)** Test Method for Formic Acid in Glacial Acetic Acid, **06.04**
- D3547 *Withdrawn 2011; Specification for n-Butyl Acrylate*
- D3548-09** Specification for Ethyl Acrylate, **06.04**
- D3549/D3549M-11** Test Method for Thickness or Height of Compacted Bituminous Paving Mixture Specimens, **04.03**
- D3550-01(2007)** Practice for Thick Wall, Ring-Lined, Split Barrel, Drive Sampling of Soils, **04.08**
- D3551-08** Practice for Laboratory Preparation of Soil-Lime Mixtures Using Mechanical Mixer, **04.08**
- D3552-12** Test Method for Tensile Properties of Fiber Reinforced Metal Matrix Composites, **15.03**
- D3553 *Withdrawn 2000; Test Method for Fiber Content by Digestion of Reinforced Metal Matrix Composites*
- D3554-07(2013)** Specification for Track-Resistant Black Thermoplastic High-Density Polyethylene Insulation for Wire and Cable, 75 °C Operation, **10.02**
- D3555-07(2013)** Specification for Track-Resistant Black Crosslinked Polyethylene Insulation for Wire and Cable, 90 °C Operation, **10.02**
- D3556-85(2009)** Test Method for Deposition on Glassware During Mechanical Dishwashing, **15.04**
- D3557-12** Test Methods for Cadmium in Water, **11.01**
- D3558-08** Test Methods for Cobalt in Water, **11.01**
- D3559-08** Test Methods for Lead in Water, **11.01**
- D3560 *Withdrawn 1991; Test Method for Oxygen Demand in Water by Combustion-Infrared Analysis*
- D3561-11** Test Method for Lithium, Potassium, and Sodium Ions in Brackish Water, Seawater, and Brines by Atomic Absorption Spectrophotometry, **11.02**
- D3562-14** Performance Specification for Woven Drycleanable Coat Fabrics, **07.01**
- D3563 *Withdrawn 1986; Test Method for Concentration and Particle Size Distribution of Particulate Collected in the Alundum Thimble Using a Liquid Media Electronic Counter*
- D3564-95(2008)** Practice for Application of Floor Polishes to Maintain Vinyl Composition Tile or Flooring, **15.04**
- D3565 *Withdrawn 2007; Test Method for Tableware Pattern Removal by Mechanical Dishwasher Detergents*
- D3566-03(2009)** Practice for Rubber—Determination of Bromine in the Presence of Chlorine by Oxygen Combustion, **09.01**
- D3567-97(2011)** Practice for Determining Dimensions of "Fiberglass" (Glass-Fiber-Reinforced Thermosetting Resin) Pipe and Fittings, **08.03**
- D3568-03(2013)** Test Methods for Rubber—Evaluation of EPDM (Ethylene Propylene Diene Terpolymers) Including Mixtures With Oil, **09.01**
- D3569 *Withdrawn 2006; Specification for Joint Sealant, Hot-Applied, Elastomeric, Jet-Fuel-Resistant-Type for Portland Cement Concrete Pavements; Replaced by D7116*
- D3570 *Withdrawn 1986; Test Method for Viscosity of Bituminous Materials With a Sliding Plate Microviscometer*
- D3571 *Withdrawn 2000; Consumer Product Specification for Household Laundry and Dishwasher Water Inlet Hose*
- D3572 *Withdrawn 1997; Consumer Product Specification for Household Laundry and Dishwasher Drain Hose*
- D3573 *Withdrawn 1997; Consumer Product Specification for Sink Spray Hose*
- D3574-11** Test Methods for Flexible Cellular Materials—Slab, Bonded, and Molded Urethane Foams, **08.02**
- D3575-14** Test Methods for Flexible Cellular Materials Made From Olefin Polymers, **08.02**
- D3576-04(2010)** Test Method for Cell Size of Rigid Cellular Plastics, **08.02**
- D3577-09<sup>1</sup>** Specification for Rubber Surgical Gloves, **09.02**
- D3578-05(2010)** Specification for Rubber Examination Gloves, **09.02**
- D3579-77(2010)** Specification for Rubber Surgical Drainage Tubes, Penrose-Type, **09.02**
- D3580-95(2010)** Test Methods for Vibration (Vertical Linear Motion) Test of Products, **15.10**
- D3581 *Withdrawn 2006; Specification for Joint Sealant, Hot-Applied, Jet-Fuel-Resistant Type, for Portland Cement Concrete and Tar-Concrete Pavements; Replaced by D7116*
- D3582 *Withdrawn 1996; Test Methods for Joint Sealant, Hot-Poured, Jet-Fuel-Resistant Type, for Portland Cement Concrete and Tar-Concrete Pavements; Replaced by D5329*
- D3583 *Withdrawn 1995; Methods of Testing Joint Sealant, Hot-Applied, Elastomeric-Type, for Portland Cement Concrete Pavements, or Joint Sealant, Hot-Applied, Elastomeric, Jet-Fuel-Resistant-Type, for Portland Cement Concrete Pavements; Replaced by D3569, D5329*
- D3584 *Withdrawn 1996; Practice for Indexing Papers and Reports on Soil and Rock for Engineering Purposes*
- D3585-08(2013)** Specification for ASTM Reference Fluid for Coolant Tests, **15.05**
- D3586 *Withdrawn 1991; Test Method for Chromium in Workplace Atmospheres (Colorimetric Method)*
- D3587 *Withdrawn 1981; Test Method for Tin (Inorganic) in Workplace Atmospheres (Colorimetric Method)*
- D3588-98(2011)** Practice for Calculating Heat Value, Compressibility Factor, and Relative Density of Gaseous Fuels, **05.06**
- D3589 *Withdrawn 1991; Test Method for Total Nitrogen in Water by Microcoulometry*
- D3590-11** Test Methods for Total Kjeldahl Nitrogen in Water, **11.02**
- D3591-97(2011)** Test Method for Determining Logarithmic Viscosity Number of Poly(Vinyl Chloride) (PVC) in Formulated Compounds, **08.02**
- D3592 *Withdrawn 1989; Recommended Practice for Determining Molecular Weight by Vapor Pressure Osmometry*
- D3593 *Withdrawn 1993; Test Method for Molecular Weight Averages/ Distribution of Certain Polymers by Liquid Size-Exclusion Chromatography (Gel Permeation Chromatography GPC) Using Universal Calibration; Replaced by D5296*
- D3594-93(2013)** Test Method for Copolymerized Ethyl Acrylate In Ethylene-Ethyl Acrylate Copolymers, **08.02**
- D3595-14** Specification for Polychlorotrifluoroethylene (PCTFE) Extruded Plastic Sheet and Film, **08.02**
- D3596-13** Practice for Determination of Gels (Fisheyes) In General-Purpose Poly(Vinyl Chloride) (PVC) Resins, **08.02**
- D3597-02(2013)** Performance Specification for Woven Upholstery Fabrics—Plain, Tufted, or Flocked, **07.01**
- D3598-89(2009)** Test Method for Citrate in Synthetic Detergents, **15.04**
- D3599 *Withdrawn 1989; Test Method for Feltability of Wool*
- D3600 *Withdrawn 1989; Performance Specification for Men's and Boy's Woven Rainwear and All-Purpose, Water-Repellent Coat Fabrics; Replaced by D3779*
- D3601 *Withdrawn 2013; Test Method for Foam In Aqueous Media (Bottle Test)*
- D3602 *Withdrawn 1994; Test Method for Water Separation Characteristics of Aviation Turbine Fuels; Replaced by D3948*
- D3603-07** Test Method for Rust-Preventing Characteristics of Steam Turbine Oil in the Presence of Water (Horizontal Disk Method), **05.01**
- D3604 *Withdrawn 1989; Test Method for Volume Change of Elastomeric Materials in Hydraulic Fluids Under Static Conditions*
- D3605-00(2011)** Test Method for Trace Metals in Gas Turbine Fuels by Atomic Absorption and Flame Emission Spectroscopy, **05.01**
- D3606-10** Test Method for Determination of Benzene and Toluene in Finished

- Motor and Aviation Gasoline by Gas Chromatography, **05.01**
- D3607-08(2012)** Test Method for Removing Volatile Contaminants from Used Engine Oils by Stripping, **05.01**
- D3608-95(2011)** Test Method for Nitrogen Oxides (Combined) Content in the Atmosphere by the Griess-Saltzman Reaction, **11.07**
- D3609-00(2010)** Practice for Calibration Techniques Using Permeation Tubes, **11.07**
- D3610-00(2010)** Test Method for Total Cobalt in Alumina-Base Cobalt-Molybdenum Catalyst by Potentiometric Titration Method, **05.05**
- D3611-06(2011)** Practice for Accelerated Aging of Pressure-Sensitive Tapes, **15.10**
- D3612-02(2009)** Test Method for Analysis of Gases Dissolved in Electrical Insulating Oil by Gas Chromatography, **10.03**
- D3613 Withdrawn 2007; Practice for Sampling Insulating Liquids for Gas Analysis and Determination of Water Content*
- D3614-07(2013)** Guide for Laboratories Engaged in Sampling and Analysis of Atmospheres and Emissions, **11.07**
- D3615 Withdrawn 1993; Test Method for Chemical Resistance of Thermoset Molding Compounds Used in the Manufacture of Molded Fittings*
- D3616-95(2009)** Test Method for Rubber—Determination of Gel, Swelling Index, and Dilute Solution Viscosity, **09.01**
- D3617-07** Practice for Sampling and Analysis of Built-Up Roof Systems During Application, **04.04**
- D3618-05(2010)** Test Method for Detection of Lead in Paint and Dried Paint Films, **06.01**
- D3619 Withdrawn 2004; Specification for Aluminum Silicate Pigments (Anhydrous)*
- D3620-04(2009)** Specification for Glacial Acetic Acid, **06.04**
- D3621 Withdrawn 1988; Practice for the Determination of Water in Acetate Esters; Replaced by D1364*
- D3622-11** Specification for 1-Propanol (n-Propyl Alcohol), **06.04**
- D3623-78a(2012)** Test Method for Testing Antifouling Panels in Shallow Submergence, **06.02**
- D3624-85a(2010)** Test Method for Low Concentrations of Mercury in Paint by Atomic Absorption Spectroscopy, **06.01**
- D3625/D3625M-12** Practice for Effect of Water on Bituminous-Coated Aggregate Using Boiling Water, **04.03**
- D3626 Withdrawn 1996; Test Method for Tar Acid Composition by Gas Liquid Chromatography; Replaced by D5310*
- D3627 Withdrawn 2005; Test Method for Color of Cresylic Acids ("C" Series Standards)*
- D3628-08** Practice for Selection and Use of Emulsified Asphalts, **04.03**
- D3629 Withdrawn 2005; Test Method for Rubber Property—Cut Growth Resistance*
- D3630 Withdrawn 2001; Guide for Determining Constituents Classified as Hazardous Contained in Protective Coatings*
- D3631-99(2011)** Test Methods for Measuring Surface Atmospheric Pressure, **11.07**
- D3632-98(2011)** Test Method for Accelerated Aging of Adhesive Joints by the Oxygen-Pressure Method, **15.06**
- D3633/D3633M-12** Test Method for Electrical Resistivity of Membrane-Pavement Systems, **04.03**
- D3634-99(2009)** Test Method for Trace Chloride Ion in Engine Coolants, **15.05**
- D3635-13** Test Method for Dissolved Copper in Electrical Insulating Oil by Atomic Absorption Spectrophotometry, **10.03**
- D3636-13a<sup>1</sup>** Practice for Sampling and Judging Quality of Solid Electrical Insulating Materials, **10.02**
- D3637 Withdrawn 1998; Test Methods for Permeability of Bituminous Mixtures*
- D3638-12** Test Method for Comparative Tracking Index of Electrical Insulating Materials, **10.02**
- D3639/D3639M-92(2011)<sup>1</sup>** Test Method for Classification of Asbestos by Quebec Standard Test, **04.05**
- D3640 Withdrawn 1995; Guidelines for Emission Control in Solvent Metal-Cleaning Systems*
- D3641-14** Practice for Injection Molding Test Specimens of Thermoplastic Molding and Extrusion Materials, **08.02**
- D3642-13** Test Method for Softening Point of Certain Alkali-Soluble Resins, **15.04**
- D3643-10** Test Method for Acid Number of Certain Alkali-Soluble Resins, **15.04**
- D3644-06(2012)** Test Method for Acid Number of Styrene-Maleic Anhydride Resins, **15.04**
- D3645-08** Test Methods for Beryllium in Water, **11.01**
- D3646 Withdrawn 1985; Specification for Reinforced and Filled Polyphenylene Sulfide Injection Molding and Extrusion Materials; Replaced by D4067*
- D3647-09** Practice for Classifying Reinforced Plastic Pultruded Shapes According to Composition, **08.02**
- D3648-14** Practices for the Measurement of Radioactivity, **11.02**
- D3649-06** Practice for High-Resolution Gamma-Ray Spectrometry of Water, **11.02**
- D3650-93(2011)** Test Method for Comparison of Waterborne Petroleum Oils by Fluorescence Analysis, **11.02**
- D3651-11** Test Method for Barium in Brackish Water, Seawater, and Brines, **11.02**
- D3652M Withdrawn 1998; Replaced by D3652/D3652M*
- D3652/D3652M-01(2012)** Test Method for Thickness of Pressure-Sensitive Tapes, **15.10**
- D3653 Withdrawn 1984; Test Method for Holding Power of Lineal and Multidirection Filament-Reinforced Pressure-Sensitive Tapes*
- D3654/D3654M-06(2011)** Test Methods for Shear Adhesion of Pressure-Sensitive Tapes, **15.10**
- D3655-14** Performance Specification for Men's and Women's Silver Knitted Overcoat and Jacket Fabrics, **07.01**
- D3656/D3656M-13** Specification for Insect Screening and Louver Cloth Woven from, **07.01**
- D3657-03(2014)** Specification for Zipper Dimensions, **07.01**
- D3658-01(2008)** Test Method for Determining the Torque Strength of Ultraviolet (UV) Light-Cured Glass/Metal Adhesive Joints, **15.06**
- D3659 Withdrawn 2001; Test Method for Flammability of Apparel Fabrics by Semi-Restraint Method*
- D3660 Withdrawn 1995; Test Method for Staple Length of Man-Made Fibers, Average and Distribution (Fiber Array Method)*
- D3661 Withdrawn 1994; Test Method for Staple Length of Man-Made Fibers Average and Distribution (Single-Fiber Length Machine Method)*
- D3662/D3662M Withdrawn 1999; Test Method for Bursting Strength of Pressure-Sensitive Tapes*
- D3663-03(2008)** Test Method for Surface Area of Catalysts and Catalyst Carriers, **05.05**
- D3664-04(2009)** Specification for Biaxially Oriented Polymeric Resin Film for Capacitors in Electrical Equipment, **10.02**
- D3665-12** Practice for Random Sampling of Construction Materials, **04.03**
- D3666-13** Specification for Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials, **04.03**
- D3667-05(2010)** Specification for Rubber Seals Used in Flat-Plate Solar Collectors, **09.02**
- D3668 Withdrawn; Test Method for Bearing Ratio of Laboratory Compacted Soil-Lime Mixtures*
- D3669 Withdrawn 1985; Test Method for Analysis for Carbon Monoxide Content of the Atmosphere (Manual-Turbidimetric Method)*
- D3670-91(2014)** Guide for Determination of Precision and Bias of Methods of Committee D22, **11.07**
- D3671 Withdrawn 1984; Test Method for Xylene Insoluble (XI) Content of Tar and Pitch; Replaced by D4072*
- D3672 Withdrawn 1991; Specification for Venting Asphalt-Saturated and Coated Inorganic Felt Base Sheet Used in Roofing; Replaced by D4897*
- D3673-89(2009)** Test Methods for Chemical Analysis of Alpha Olefin Sulfonates, **15.04**
- D3674 Withdrawn 1999; Test Method for Carbon Black—Relative Extrusion Mass*
- D3675-14** Test Method for Surface Flammability of Flexible Cellular Materials Using a Radiant Heat Energy Source, **08.02**
- D3676-13** Specification for Rubber Cellular Cushion Used for Carpet or Rug Underlay, **08.02**
- D3677-10<sup>1</sup>** Test Methods for Rubber—Identification by Infrared Spectrophotometry, **09.01**
- D3678-97(2008)<sup>1</sup>** Specification for Rigid Poly(Vinyl Chloride) (PVC) Interior-Profile Extrusions, **08.03**
- D3679-13** Specification for Rigid Poly(Vinyl Chloride) (PVC) Siding, **08.03**
- D3680 Withdrawn 2005; Test Method for Residual Vinyl Chloride Monomer Content of Poly(Vinyl Chloride) Resins, Compounds, and Copolymers by Solution Injection Technique*
- D3681-12<sup>1</sup>** Test Method for Chemical Resistance of "Fiberglass" (Glass-Fiber-Reinforced Thermosetting-Resin) Pipe in a Deflected Condition, **08.03**
- D3682-13** Test Method for Major and Minor Elements in Combustion Residues from Coal Utilization Processes, **05.06**
- D3683-11** Test Method for Trace Elements in Coal and Coke Ash by Atomic Absorption, **05.06**
- D3684-01(2006)** Test Method for Total Mercury in Coal by the Oxygen Bomb, **05.06**
- D3685/D3685M-13** Test Methods for Sampling and Determination of Particulate Matter in Stack Gases, **11.07**
- D3686-13** Practice for Sampling Atmospheres to Collect Organic Compound Vapors (Activated Charcoal Tube Adsorption Method), **11.07**
- D3687-07(2012)** Practice for Analysis of Organic Compound Vapors Collected by the Activated Charcoal Tube Adsorption Method, **11.07**
- D3688 Withdrawn 1992; Guide for Reporting the Characterization of Smoking Product Atmospheres Used to Expose Biological Systems*
- D3689/D3689M-07(2013)<sup>1</sup>** Test Methods for Deep Foundations Under Static Axial Tensile Load, **04.08**
- D3690-02(2009)** Performance Specification for Vinyl-Coated and Urethane-Coated Upholstery Fabrics—Indoor, **07.01**
- D3691/D3691M-09** Performance Specification for Woven, Lace, and Knit Household Curtain and Drapery Fabrics, **07.01**
- D3692-89(2012)** Practice for Selection of Zippers for Care-Labeled Apparel and Household Furnishings, **07.01**
- D3693-02(2010)** Specification for Labeled Length per Holder of Sewing Thread, **07.01**
- D3694-96(2011)** Practices for Preparation of Sample Containers and for Preservation of Organic Constituents, **11.02**
- D3695-95(2013)** Test Method for Volatile Alcohols in Water by Direct Aqueous-Injection Gas Chromatography, **11.02**
- D3696 Withdrawn 2006; Practice for Evaluating an Effluent for Flavor Impairment to Fish Flesh:/i*
- D3697-12** Test Method for Antimony in Water, **11.01**
- D3698-04(2010)** Practice for Solvent Vapor Degreasing Operations, **15.05**
- D3699-13b** Specification for Kerosine, **05.01**
- D3700-12** Practice for Obtaining LPG Samples Using a Floating Piston Cylinder, **05.01**
- D3701-01(2012)** Test Method for Hydrogen Content of Aviation Turbine Fuels

- by Low Resolution Nuclear Magnetic Resonance Spectrometry, **05.01**
- D3702-94(2009)** Test Method for Wear Rate and Coefficient of Friction of Materials in Self-Lubricated Rubbing Contact Using a Thrust Washer Testing Machine, **05.01**
- D3703-13** Test Method for Hydroperoxide Number of Aviation Turbine Fuels, Gasoline and Diesel Fuels, **05.01**
- D3704-96(2012)** Test Method for Wear Preventive Properties of Lubricating Greases Using the (Falex) Block on Ring Test Machine in Oscillating Motion, **05.01**
- D3705-86(2009)** Test Method for Misting Properties of Lubricating Fluids, **05.01**
- D3706 Withdrawn 2004; Test Method for Hot Tack of Wax-Polymer Blends by the Flat Spring Test*
- D3707-89(2010)** Test Method for Storage Stability of Water-in-Oil Emulsions by the Oven Test Method, **05.01**
- D3708-88(2010)** Test Method for Weight of Wax Applied During Curtain Coating Operation, **05.01**
- D3709-89(2010)** Test Method for Stability of Water-in-Oil Emulsions Under Low to Ambient Temperature Cycling Conditions, **05.01**
- D3710-95(2009)** Test Method for Boiling Range Distribution of Gasoline and Gasoline Fractions by Gas Chromatography, **05.01**
- D3711-95(2009)** Test Method for Deposition Tendencies of Liquids in Thin Films and Vapors, **05.02**
- D3712-05(2011)** Test Method of Analysis of Oil-Soluble Petroleum Sulfonates by Liquid Chromatography, **05.02**
- D3713 Withdrawn 2000; Test Method for Measuring Response of Solid Plastics to Ignition by a Small Flame*
- D3714 Withdrawn 1994; Test Method for Black Marking Resistance of Floor Polishes as Measured by the Ladder and Pendulum Apparatus*
- D3715 Withdrawn 1998; Replaced by D3715/D3715M*
- D3715/D3715M-98(2011)** Practice for Quality Assurance of Pressure-Sensitive Tapes, **15.10**
- D3716-99(2008)** Test Methods for Use of Emulsion Polymers in Floor Polishes, **15.04**
- D3717-85a(2010)** Test Method for Low Concentrations of Antimony in Paint by Atomic Absorption Spectroscopy, **06.01**
- D3718-85a(2010)** Test Method for Low Concentrations of Chromium in Paint by Atomic Absorption Spectroscopy, **06.01**
- D3719 Withdrawn 2009; Test Method for Quantifying Dirt Collection on Coated Exterior Panels*
- D3720-90(2011)** Test Method for Ratio of Anatase to Rutile in Titanium Dioxide Pigments by X-Ray Diffraction, **06.03**
- D3721-05(2011)** Specification for Synthetic Red Iron Oxide Pigment, **06.03**
- D3722-05(2011)** Specification for Natural Red and Brown Iron Oxide Pigments, **06.03**
- D3723-05(2011)** Test Method for Pigment Content of Water-Emulsion Paints by Low-Temperature Ashing, **06.01**
- D3724-01(2012)** Specification for Synthetic Brown Iron Oxide Pigment, **06.03**
- D3725 Withdrawn 2007; Test Method for Semiquantitative Determination of Fish Oil in Drying Oils and Drying Oil Fatty Acids by Gas-Liquid Chromatography*
- D3726 Withdrawn 1987; Specification for n-Butyl Acetate (99.5 % grade); Replaced by D4615*
- D3727 Withdrawn 1987; Specification for Ethyl Acetate (99.5 % grade); Replaced by D4614*
- D3728-08(2012)** Specification for 2-Ethoxyethyl Acetate (99 % Grade), **06.04**
- D3729 Withdrawn 1990; Specification for Methyl Ethyl Ketone (99.5 % grade) for Urethane Coatings; Replaced by D740*
- D3730-10** Guide for Testing High-Performance Interior Architectural Wall Coatings, **06.02**
- D3731-87(2012)** Practices for Measurement of Chlorophyll Content of Algae in Surface Waters, **11.02**
- D3732-82(2011)** Practice for Reporting Cure Times of Ultraviolet-Cured Coatings, **06.02**
- D3733 Withdrawn 2007; Test Method for Silicon Content of Silicone Polymers and Silicone-Modified Alkyds by Atomic Absorption*
- D3734-05(2010)** Specification for High-Flash Aromatic Naphthas, **06.04**
- D3735-07(2012)** Specification for VM&P Naphthas, **06.04**
- D3736 Withdrawn 1985; Test Method for Operating Characteristics of Reverse-Osmosis Devices; Replaced by D4194*
- D3737-12** Practice for Establishing Allowable Properties for Structural Glued Laminated Timber (Glulam), **04.10**
- D3738-84(2010)** Specification for Rubber-Coated Cloth Hospital Sheeting, **09.02**
- D3739-06(2010)** Practice for Calculation and Adjustment of the Langelier Saturation Index for Reverse Osmosis, **11.02**
- D3740-12a** Practice for Minimum Requirements for Agencies Engaged in Testing and/or Inspection of Soil and Rock as Used in Engineering Design and Construction, **04.08**
- D3741-00(2010)** Test Methods for Appearance of Admixtures Containing Halogenated Organic Solvents, **15.05**
- D3742 Withdrawn 2003; Test Method for 1,1,1-Trichloroethane Content; Replaced by D6806*
- D3743 Withdrawn 2004; Terminology Relating to Bridge Deck and Substructure Protection*
- D3744/D3744M-11a** Test Method for Aggregate Durability Index, **04.03**
- D3745-95(2006)** Practice for Installation of Prefabricated Asphalt Reservoir, Pond, Canal, and Ditch Liner (Exposed Type), **04.04**
- D3746-85(2008)** Test Method for Impact Resistance of Bituminous Roofing Systems, **04.04**
- D3747-79(2007)** Specification for Emulsified Asphalt Adhesive for Adhering Roof Insulation, **04.04**
- D3748-14** Practice for Evaluating High-Density Rigid Cellular Plastics, **08.02**
- D3749-13** Test Method for Residual Vinyl Chloride Monomer in Poly(Vinyl Chloride) Resins by Gas Chromatographic Headspace Technique, **08.02**
- D3750 Withdrawn 1992; Practice for Determination of Number-Average Molecular Weight of Polymers by Membrane Osmometry*
- D3751/D3751M-10** Practice for Evaluation of Furniture Polish, **15.04**
- D3752-98(2011)** Test Method for Strength Imparted by Asbestos to a Cementitious Matrix, **04.05**
- D3753-12<sup>1</sup>** Specification for Glass-Fiber-Reinforced Polyester Manholes and Wetwells, **08.03**
- D3754-14** Specification for "Fiberglass" (Glass-Fiber-Reinforced Thermosetting-Resin) Sewer and Industrial Pressure Pipe, **08.03**
- D3755 Withdrawn 2013; Test Method for Dielectric Breakdown Voltage and Dielectric Strength of Solid Electrical Insulating Materials Under Direct-Voltage Stress*
- D3756-97(2010)** Test Method for Evaluation of Resistance to Electrical Breakdown by Treeing in Solid Dielectric Materials Using Diverging Fields, **10.02**
- D3757-89(2010)** Guide for Preparing Specifications for Solvent-based Floor Polishes, **15.04**
- D3758-95(2010)** Practice for Evaluation of Spray-Buff Products on Test Floors, **15.04**
- D3759M Withdrawn 1998; Replaced by D3759/D3759M*
- D3759/D3759M-05(2011)** Test Method for Breaking Strength and Elongation of Pressure-Sensitive Tape, **15.10**
- D3760-13** Test Method for Analysis of Isopropylbenzene (Cumene) by Gas Chromatography, **06.04**
- D3761-10** Test Method for Total Fluorine in Coal by the Oxygen Bomb Combustion/Ion Selective Electrode Method, **05.06**
- D3762-03(2010)** Test Method for Adhesive-Bonded Surface Durability of Aluminum (Wedge Test), **15.06**
- D3763-10<sup>1</sup>** Test Method for High Speed Puncture Properties of Plastics Using Load and Displacement Sensors, **08.02**
- D3764-13** Practice for Validation of the Performance of Process Stream Analyzer Systems, **05.02**
- D3765 Withdrawn 2007; Test Method for Carbon Black—CTAB (Cetyltrimethylammonium Bromide) Surface Area*
- D3766-08(2013)** Terminology Relating to Catalysts and Catalysis, **05.05**
- D3767-03(2008)** Practice for Rubber—Measurement of Dimensions, **09.01**
- D3768-11** Test Method for Microcellular Urethanes—Flexural Recovery, **08.02**
- D3769-10** Test Method for Microcellular Urethanes—High-Temperature Sag, **08.02**
- D3770 Withdrawn 1998; Specification for Flexible Cellular Materials—High Resilience Polyurethane Foam (HR) and Combustion Modified High Resilience (CMHR) Polyurethane Foam*
- D3771-03(2007)** Specification for Rubber Seals Used in Concentrating Solar Collectors, **09.02**
- D3772-01(2010)** Specification for Natural Rubber Finger Cots, **09.02**
- D3773/D3773M-10(2014)** Test Methods for Length of Woven Fabric, **07.01**
- D3774-96(2012)** Test Method for Width of Textile Fabric, **07.01**
- D3775-12** Test Method for Warp (End) and Filling (Pick) Count of Woven Fabrics, **07.01**
- D3776/D3776M-09a(2013)** Test Methods for Mass Per Unit Area (Weight) of Fabric, **07.01**
- D3777 Withdrawn 2008; Practice for Writing Specifications for Textiles*
- D3778 Withdrawn 1999; Performance Specification for Women's and Girls' Drycleanable Woven Dress Coat Fabrics; Replaced by D3562*
- D3779 Withdrawn 2005; Performance Specification for Women's and Girls' Woven Rainwear and All-Purpose, Water-Repellent Coat Fabric; Replaced by D7017*
- D3780-14** Performance Specification for Men's and Boys' Woven Dress Suit Fabrics and Woven Sportswear Jacket, Slack, and Trouser Fabrics, **07.01**
- D3781 Withdrawn 2005; Performance Specification for Men's and Boys' Knitted Rainwear and All-Purpose, Water-Repellent Coat Fabrics; Replaced by D7017*
- D3782-14** Performance Specification for Men's and Boys' Knitted Dress Suit Fabrics and Knitted Sportswear Jacket, Slack, and Trouser Fabrics, **07.01**
- D3783 Withdrawn 2011; Performance Specification for Woven Flat Lining Fabrics for Men's and Boys' Apparel*
- D3784 Withdrawn 2005; Performance Specification for Men's and Boys' Woven Bathrobe and Dressing Gown Fabrics; Replaced by D7021*
- D3785-14** Performance Specification for Woven Necktie and Scarf Fabrics, **07.01**
- D3786/D3786M-13** Test Method for Bursting Strength of Textile Fabrics—Diaphragm Bursting Strength Tester Method, **07.01**
- D3787-07(2011)** Test Method for Bursting Strength of Textiles—Constant-Rate-of-Traversal (CRT) Ball Burst Test, **07.01**
- D3788 Withdrawn 1997; Practice to Indicate Direction of Spray From a Can of Consumer Spray Paint*
- D3789 Withdrawn 1997; Practice for Labeling Cans of Consumer Spray Paint*
- D3790-79(2012)** Test Method for Volatile Matter (Moisture) of Leather by Oven Drying, **15.04**
- D3791/D3791M-11** Practice for Evaluating the Effects of Heat on Asphalts, **04.04**
- D3792-05(2009)** Test Method for Water Content of Coatings by Direct Injection Into a Gas Chromatograph, **06.01**
- D3793 Withdrawn 2012; Test Method for Low-Temperature Coalescence of Latex Paint Films by Porosity Measurement*



- D3794-13** Guide for Testing Coil Coatings, **06.02**
- D3795-00a(2012)** Test Method for Thermal Flow, Cure, and Behavior Properties of Pourable Thermosetting Materials by Torque Rheometer, **08.02**
- D3796-09** Practice for Calibration of Type S Pitot Tubes, **11.07**
- D3797-05** Test Method for Analysis of, **06.04**
- D3798 Withdrawn 2009; Test Method for Analysis of p-Xylene by Gas Chromatography; Replaced by D7504*
- D3799 Withdrawn 2000; Test Method for Purity of Styrene by Freezing Point Method*
- D3800M-11** Test Method for Density of High-Modulus Fibers, **15.03**
- D3801-10** Test Method for Measuring the Comparative Burning Characteristics of Solid Plastics in a Vertical Position, **08.02**
- D3802-10** Test Method for Ball-Pan Hardness of Activated Carbon, **15.01**
- D3803-91(2009)** Test Method for Nuclear-Grade Activated Carbon, **15.01**
- D3804-02(2008)** Test Method for Iron in Paint Driers by EDTA Method, **06.01**
- D3805/D3805M-97(2009)** Guide for Application of Aluminum-Pigmented Asphalt Roof Coatings, **04.04**
- D3806-98(2011)** Test Method of Small-Scale Evaluation of Fire-Retardant Paints (2-Foot Tunnel Method), **06.01**
- D3807-98(2012)** Test Method for Strength Properties of Adhesives in Cleavage Peel by Tension Loading (Engineering Plastics-to-Engineering Plastics), **15.06**
- D3808-01(2013)** Test Method for Qualitative Determination of Adhesion of Adhesives to Substrates by Spot Adhesion, **15.06**
- D3809-01(2006)** Test Methods for Synthetic Dielectric Fluids For Capacitors, **10.03**
- D3810-97(2007)** Test Method for Minimum Application Torque of Type IA Child-Resistant Closures, **15.10**
- D3811/D3811M-96(2011)** Test Method for Unwind Force of Pressure-Sensitive Tapes, **15.10**
- D3812 Withdrawn 1984; Test Method for Impact Resistance of Pressure-Sensitive Tapes*
- D3813 Withdrawn 1998; Replaced by D3813/D3813M*
- D3813/D3813M-98(2012)<sup>1</sup>** Test Method for Curling, Twisting, and Tubing on Unwind of Pressure-Sensitive Tapes, **15.10**
- D3815/D3815M-05(2011)** Practice for Accelerated Weathering of Pressure-Sensitive Tapes by Open-Flame Carbon-Arc Exposure Apparatus, **15.10**
- D3816/D3816M-96(2012)** Test Method for Water Penetration Rate of Pressure-Sensitive Tapes, **15.10**
- D3817 Withdrawn 1995; Test Method for Maturity Index of Cotton Fibers by the Fibrograph Method*
- D3818 Withdrawn 1999; Test Method for Linear Density and Maturity Index of Cotton Fibers (IIC-Shirley Fineness/Maturity Tester)*
- D3819 Withdrawn 2005; Performance Specification for Men's and Boys' Woven Pajama Fabrics; Replaced by D7021*
- D3820 Withdrawn 2005; Performance Specification for Men's and Boys' Woven Underwear Fabrics; Replaced by D7019*
- D3821 Withdrawn 1994; Performance Specification for Woven Terry Household Kitchen And Bath Towel Fabrics; Replaced by D5433*
- D3822/D3822M-14** Test Method for Tensile Properties of Single Textile Fibers, **07.01**
- D3823-07(2012)** Practice for Determining Ticket Numbers for Sewing Threads, **07.01**
- D3824-12** Test Methods for Continuous Measurement of Oxides of Nitrogen in the Ambient or Workplace Atmosphere by the Chemiluminescent Method, **11.07**
- D3825-09** Test Method for Dynamic Surface Tension by the Fast-Bubble Technique, **05.02**
- D3826-98(2013)** Practice for Determining Degradation End Point in Degradable Polyethylene and Polypropylene Using a Tensile Test, **08.02**
- D3827-92(2012)** Test Method for Estimation of Solubility of Gases in Petroleum and Other Organic Liquids, **05.02**
- D3828-12a** Test Methods for Flash Point by Small Scale Closed Cup Tester, **05.02**
- D3829-12** Test Method for Predicting the Borderline Pumping Temperature of Engine Oil, **05.02**
- D3830 Withdrawn 1994; Practice for Filter Membrane Color Ratings of Aviation Turbine Fuels; Replaced by D2276*
- D3831-12** Test Method for Manganese in Gasoline By Atomic Absorption Spectroscopy, **05.02**
- D3832-79(2011)** Specification for Rubber Seals Contacting Liquids in Solar Energy Systems, **09.02**
- D3833/D3833M-96(2011)** Test Method for Water Vapor Transmission of Pressure-Sensitive Tapes, **15.10**
- D3834 Withdrawn 1998; Test Method for Purity of Vinyl Chloride Monomer by Gas Chromatography*
- D3835-08** Test Method for Determination of Properties of Polymeric Materials by Means of a Capillary Rheometer, **08.02**
- D3836-13** Practice for Evaluation of Automotive Polish, **15.04**
- D3837-95(2012)** Practice for Preparing a Solution of Alkali-Soluble Resins, **15.04**
- D3838-05(2011)** Test Method for pH of Activated Carbon, **15.01**
- D3839-08** Guide for Underground Installation of "Fiberglass" (Glass-Fiber-Reinforced Thermosetting-Resin) Pipe, **08.03**
- D3840-14** Specification for "Fiberglass" (Glass-Fiber-Reinforced Thermosetting-Resin) Pipe Fittings for Nonpressure Applications, **08.03**
- D3841-97(2008)<sup>1</sup>** Specification for Glass-Fiber-Reinforced Polyester Plastic Panels, **08.03**
- D3842 Withdrawn 1995; Guide for Selection of Test Methods for Coatings for Use in Light-Water Nuclear Power Plants; Replaced by D5144*
- D3843-00(2008)** Practice for Quality Assurance for Protective Coatings Applied to Nuclear Facilities, **06.02**
- D3844 Withdrawn 2013; Guide for Labeling Chlorinated Hydrocarbon Solvent Containers*
- D3845 Withdrawn 2011; Specification for Glacial Methacrylic Acid*
- D3846-08** Test Method for In-Plane Shear Strength of Reinforced Plastics, **08.02**
- D3847-01(2012)** Practice for Rubber—Directions for Achieving Subnormal Test Temperatures, **09.01**
- D3848-03(2013)** Test Methods for Rubber—Evaluation of NBR (Acrylonitrile-Butadiene Copolymers) Mixed With Carbon Black, **09.01**
- D3849-14** Test Method for Carbon Black—Morphological Characterization of Carbon Black Using Electron Microscopy, **09.01**
- D3850-12** Test Method for Rapid Thermal Degradation of Solid Electrical Insulating Materials By Thermogravimetric Method (TGA), **10.02**
- D3851-07(2012)** Specification for Urethane Microcellular Shoe Soling Materials, **08.02**
- D3852-07(2012)** Practice for Sampling and Handling Phenol, Cresols, and Cresylic Acid, **06.04**
- D3853-12** Terminology Relating to Rubber and Rubber Latices—Abbreviations for Chemicals Used in Compounding, **09.01**
- D3854-90(2010)** Test Method for Rubber Thread—Resistance to Dry Heat, **09.02**
- D3855-84(2010)** Test Method for Rubber Thread—Deterioration Due to Standard Washing Solution Treatment, **09.02**
- D3856-11** Guide for Management Systems in Laboratories Engaged in Analysis of Water, **11.01**
- D3857 Withdrawn 1994; Practice for Measurement of Water Velocity in Open Channels by Acoustic Means; Replaced by D5389*
- D3858-95(2014)** Test Method for Open-Channel Flow Measurement of Water by Velocity-Area Method, **11.01**
- D3859-08** Test Methods for Selenium in Water, **11.01**
- D3860-98(2008)** Practice for Determination of Adsorptive Capacity of Activated Carbon by Aqueous Phase Isotherm Technique, **15.01**
- D3861-91(2011)** Test Method for Quantity of Water-Extractable Matter in Membrane Filters, **11.02**
- D3862-13** Test Method for Retention Characteristics of 0.2- $\mu$ m Membrane Filters Used in Routine Filtration Procedures for the Evaluation of Microbiological Water Quality, **11.01**
- D3863-87(2011)** Test Method for Retention Characteristics of 0.40 to 0.45- $\mu$ m Membrane Filters Used in Routine Filtration Procedures for the Evaluation of Microbiological Water Quality, **11.02**
- D3864-12** Guide for On-Line Monitoring Systems for Water Analysis, **11.01**
- D3865-09** Test Method for Plutonium in Water, **11.02**
- D3866-12** Test Methods for Silver in Water, **11.01**
- D3867-09** Test Methods for Nitrite-Nitrate in Water, **11.01**
- D3868-09** Test Method for Fluoride Ions in Brackish Water, Seawater, and Brines, **11.02**
- D3869-09** Test Methods for Iodide and Bromide Ions in Brackish Water, Seawater, and Brines, **11.02**
- D3870 Withdrawn 2000; Practice for Establishing Performance Characteristics for Colony Counting Methods in Microbiology*
- D3871-84(2011)** Test Method for Purgeable Organic Compounds in Water Using Headspace Sampling, **11.02**
- D3872-05(2011)** Test Method for Ferrous Iron in Iron Oxides, **06.03**
- D3873 Withdrawn 2006; Test Method for Valency State of the Arsenic Component of Ammoniacal Copper Arsenate Solutions*
- D3874-13** Test Method for Ignition of Materials by Hot Wire Sources, **10.02**
- D3875-08** Test Method for Alkalinity in Brackish Water, Seawater, and Brines, **11.02**
- D3876-96(2013)** Test Method for Methoxyl and Hydroxypropyl Substitution in Cellulose Ether Products by Gas Chromatography, **06.03**
- D3877-08** Test Methods for One-Dimensional Expansion, Shrinkage, and Uplift Pressure of Soil-Lime Mixtures, **04.08**
- D3878-07(2013)** Terminology for Composite Materials, **15.03**
- D3879 Withdrawn 2009; Test Method for Sampling Amphibole Asbestos*
- D3880/D3880M-90(2009)<sup>1</sup>** Test Method for Asbestos Strength Units, **04.05**
- D3881 Withdrawn 1987; Specification for Phenolic Transfer- and Injection-Molding Compounds*
- D3882-08(2012)<sup>1</sup>** Test Method for Bow and Skew in Woven and Knitted Fabrics, **07.01**
- D3883-04(2012)** Test Method for Yarn Crimp and Yarn Take-up in Woven Fabrics, **07.01**
- D3884-09(2013)<sup>1</sup>** Guide for Abrasion Resistance of Textile Fabrics (Rotary Platform, Double-Head Method), **07.01**
- D3885-07a(2011)** Test Method for Abrasion Resistance of Textile Fabrics (Flexing and Abrasion Method), **07.01**
- D3886-99(2011)<sup>1</sup>** Test Method for Abrasion Resistance of Textile Fabrics (Inflated Diaphragm Apparatus), **07.01**
- D3887-96(2008)** Specification for Tolerances for Knitted Fabrics, **07.01**
- D3888-12** Terminology for Yarn Spinning Systems, **07.01**
- D3889/D3889M-96(2012)** Test Method for Adherence to Linerboard of Pressure-Sensitive Tape at Low Temperature, **15.10**
- D3890-05(2010)** Test Method for Number of Strokes to Prime a Mechanical Pump Dispenser, **15.10**
- D3891-08** Practice for Preparation of Glass Panels for Testing Paint, Varnish, Lacquer, and Related Products, **06.01**
- D3892-93(2009)** Practice for Packaging/Packing of Plastics, **08.02**
- D3893-03(2009)** Test Method for Purity of Methyl Amyl Ketone and Methyl

- Isoamyl Ketone by Gas Chromatography, **06.04**
- D3894* *Withdrawn 1994; Test Method for Evaluation of Fire Response of Rigid Cellular Plastics Using a Small Corner Configuration*
- D3895-07** Test Method for Oxidative-Induction Time of Polyolefins by Differential Scanning Calorimetry, **08.02**
- D3896-07(2011)** Practice for Rubber From Synthetic Sources—Sampling, **09.01**
- D3897-91(2012)** Practice for Calculation of Basicity of Chrome Tanning Liquors, **15.04**
- D3898-93(2009)** Test Method for Chromic Oxide in Basic Chromium Tanning Liquors, **15.04**
- D3899* *Withdrawn 2002; Specification for Rubber Contraceptives—Vaginal Diaphragms*
- D3900-05a(2010)** Test Methods for Rubber—Determination of Ethylene Units in Ethylene-Propylene Copolymers (EPM) and in Ethylene-Propylene-Diene Terpolymers (EPDM) by Infrared Spectrometry, **09.01**
- D3901* *Withdrawn 1997; Specification for Garden Hose, Consumer Product*
- D3902-90(2012)** Test Method for Rubber Hose for Gas Diffusion of Liquefied Petroleum Gas, **09.02**
- D3903-03(2007)** Specification for Rubber Seals Used in Air-Heat Transport of Solar Energy Systems, **09.02**
- D3904* *Withdrawn 1996; Test Method for Oil from Oil Shale (Resource Evaluation by the Fischer Assay Procedure)*
- D3905* *Withdrawn 2000; Specification for Toilet Tissue for Industrial and Institutional Use*
- D3906-03(2008)** Test Method for Determination of Relative X-ray Diffraction Intensities of Faujasite-Type Zeolite-Containing Materials, **05.05**
- D3907/D3907M-13** Test Method for Testing Fluid Catalytic Cracking (FCC) Catalysts by Microactivity Test, **05.05**
- D3908-03(2008)** Test Method for Hydrogen Chemisorption on Supported Platinum Catalysts by Volumetric Vacuum Method, **05.05**
- D3909/D3909M-97b(2012)<sup>1</sup>** Specification for Asphalt Roll Roofing (Glass Felt) Surfaced With Mineral Granules, **04.04**
- D3910-11** Practices for Design, Testing, and Construction of Slurry Seal, **04.03**
- D3911-08** Test Method for Evaluating Coatings Used in Light-Water Nuclear Power Plants at Simulated Design Basis Accident (DBA) Conditions, **06.02**
- D3912-10** Test Method for Chemical Resistance of Coatings and Linings for Use in Nuclear Power Plants, **06.02**
- D3913-03(2009)** Test Method for Acidity in Basic Chromium Tanning Liquors, **15.04**
- D3914-02(2008)** Test Method for In-Plane Shear Strength of Pultruded Glass-Reinforced Plastic Rod, **08.02**
- D3915-06** Specification for Rigid Poly(Vinyl Chloride) (PVC) and Chlorinated Poly(Vinyl Chloride) (CPVC) Compounds for Plastic Pipe and Fittings Used in Pressure Applications, **08.02**
- D3916-08** Test Method for Tensile Properties of Pultruded Glass-Fiber-Reinforced, **08.02**
- D3917-12** Specification for Dimensional Tolerance of Thermosetting Glass-Reinforced Plastic Pultruded Shapes, **08.02**
- D3918-11** Terminology Relating to Reinforced Plastic Pultruded Products, **08.02**
- D3919-08** Practice for Measuring Trace Elements in Water by Graphite Furnace Atomic Absorption Spectrophotometry, **11.01**
- D3920-12** Test Method for Strontium in Water, **11.01**
- D3921* *Withdrawn 2013; Test Method for Oil and Grease and Petroleum Hydrocarbons in Water*
- D3922* *Withdrawn 1998; Practice for Estimating the Operating Performance of Granular Activated Carbon for Removal of Soluble Pollutants from Water*
- D3923-08(2014)** Practices for Detecting Leaks in Reverse Osmosis and Nanofiltration Devices, **11.02**
- D3924-80(2011)** Specification for Standard Environment for Conditioning and Testing Paint, Varnish, Lacquer, and Related Materials, **06.01**
- D3925-02(2010)** Practice for Sampling Liquid Paints and Related Pigmented Coatings, **06.01**
- D3926-05(2011)** Test Methods for Percent Solids in Titanium Dioxide Slurries, **06.03**
- D3927* *Withdrawn 1992; Guide for State and Institutional Purchasing of Paint*
- D3928-00a(2010)** Test Method for Evaluation of Gloss or Sheen Uniformity, **06.02**
- D3929-03(2010)<sup>1</sup>** Test Method for Evaluating Stress Cracking of Plastics by Adhesives Using the Bent-Beam Method, **15.06**
- D3930-08** Specification for Adhesives for Wood-Based Materials for Construction of Manufactured Homes, **15.06**
- D3931-08** Test Method for Determining Strength of Gap-Filling Adhesive Bonds in Shear by Compression Loading, **15.06**
- D3932* *Withdrawn 1991; Practice for Control of the Application of Structural Fasteners When Attached by Hot Melt Adhesive*
- D3933-98(2010)** Guide for Preparation of Aluminum Surfaces for Structural Adhesives Bonding (Phosphoric Acid Anodizing), **15.06**
- D3934-90(2007)** Test Method for Flash/No Flash Test—Equilibrium Method by a Closed-Cup Apparatus, **06.01**
- D3935-09** Specification for Polycarbonate (PC) Unfilled and Reinforced Material, **08.02**
- D3936-12** Test Method for Resistance to Delamination of the Secondary Backing of Pile Yarn Floor Covering, **07.01**
- D3937-12** Test Method for Crimp Frequency of Manufactured Staple Fibers, **07.01**
- D3938-13** Guide for Determining or Confirming Care Instructions for Apparel and Other Textile Products, **07.01**
- D3939/D3939M-13** Test Method for Snagging Resistance of Fabrics (Mace), **07.01**
- D3940* *Withdrawn 1995; Test Method for Bursting Strength (Load) and Elongation of Sewn Seams of Knit or Woven Stretch Textile Fabrics*
- D3941-90(2007)** Test Method for Flash Point by the Equilibrium Method With a Closed-Cup Apparatus, **06.01**
- D3942-03(2008)** Test Method for Determination of the Unit Cell Dimension of a Faujasite-Type Zeolite, **05.05**
- D3943-10** Test Method for Total Molybdenum in Fresh Alumina-Base Catalysts, **05.05**
- D3944-12** Test Method for Solidification Point of Petroleum Wax, **05.02**
- D3945* *Withdrawn 1998; Test Methods for Shear Stability of Polymer-Containing Fluids Using a Diesel Injector Nozzle; Replaced by D6278*
- D3946* *Withdrawn 2004; Test Method for Evaluating the Bacteria Resistance of Water-Dilutable Metalworking Fluids; Replaced by E2275*
- D3947* *Withdrawn 1997; Test Method for Specific Heat of Aircraft Turbine Lubricants by Thermal Analysis; Replaced by E1269*
- D3948-13** Test Method for Determining Water Separation Characteristics of Aviation Turbine Fuels by Portable Separometer, **05.02**
- D3949* *Withdrawn 2013; Specification for Coated Glass Fabrics Used for Electrical Insulation*
- D3950-12a** Specification for Strapping, Nonmetallic (and Joining Methods), **15.10**
- D3951-10** Practice for Commercial Packaging, **15.10**
- D3952* *Withdrawn 1997; Specification for Rubber Hose Used in Solar Energy Systems*
- D3953-13** Specification for Strapping, Flat Steel and Seals, **15.10**
- D3954-94(2010)** Test Method for Dropping Point of Waxes, **15.04**
- D3955-13** Specification for Electrical Insulating Varnishes, **10.02**
- D3956-12** Specification for Methane Thermophysical Property Tables, **05.06**
- D3957-09** Practices for Establishing Stress Grades for Structural Members Used in Log Buildings, **04.10**
- D3958-06(2011)** Test Methods for Rubber—Evaluation of BIIR and CIIR (Halogenated Isobutene—Isoprene Rubber), **09.01**
- D3959* *Withdrawn 2006; Test Method for Rubber- and Plastic-Coated Fabrics—Discoloration Sensitivity to Tobacco Smoke*
- D3960-05(2013)** Practice for Determining Volatile Organic Compound (VOC) Content of Paints and Related Coatings, **06.01**
- D3961* *Withdrawn 2004; Test Method for Trace Quantities of Sulfur in Liquid Aromatic Hydrocarbons by Oxidative Microcoulometry*
- D3962* *Withdrawn 1993; Test Method for Analysis of Styrene by Gas Chromatography; Replaced by D5135*
- D3963/D3963M-01(2007)** Specification for Fabrication and Jobsite Handling of Epoxy-Coated Steel Reinforcing Bars, **04.03**
- D3964-10** Practice for Selection of Coating Specimens for Appearance Measurements, **06.01**
- D3965-11** Classification System and Basis for Specifications for Rigid Acrylonitrile-Butadiene-Styrene (ABS) Materials for Pipe and Fittings, **08.02**
- D3966/D3966M-07(2013)<sup>1</sup>** Test Methods for Deep Foundations Under Lateral Load, **04.08**
- D3967-08** Test Method for Splitting Tensile Strength of Intact Rock Core Specimens, **04.08**
- D3968-97(2007)** Test Method for Monitoring of Rotational Torque of Type IIIA Child-Resistant Closures, **15.10**
- D3969-01(2012)** Test Method for Zirconium in Paint Driers by EDTA Method, **06.01**
- D3970-05(2011)** Test Method for Cerium in Paint Driers by Oxidimetric Determination, **06.01**
- D3971-89(2010)** Test Method for Dichloromethane-Soluble Matter in Cellulose, **06.03**
- D3972-09** Test Method for Isotopic Uranium in Water by Radiochemistry, **11.02**
- D3973-85(2011)** Test Method for Low-Molecular Weight Halogenated Hydrocarbons in Water, **11.02**
- D3974-09** Practices for Extraction of Trace Elements from Sediments, **11.02**
- D3975-93(2014)** Practice for Development and Use (Preparation) of Samples for Collaborative Testing of Methods for Analysis of Sediments, **11.02**
- D3976-92(2010)** Practice for Preparation of Sediment Samples for Chemical Analysis, **11.02**
- D3977-97(2013)<sup>1</sup>** Test Methods for Determining Sediment Concentration in Water Samples, **11.02**
- D3978-04(2012)** Practice for Algal Growth Potential Testing with *Pseudokirchneriella subcapitata*, **11.06**
- D3979* *Withdrawn 1993; Test Method for Particulate Matter in Trichlorotrifluoroethane*
- D3980* *Withdrawn 1998; Practice for Interlaboratory Testing of Paint and Related Materials*
- D3981-09a** Specification for Polyethylene Films Made from Medium-Density Polyethylene for General Use and Packaging Applications, **08.02**
- D3982-08(2014)** Specification for Contact Molded "Fiberglass" (Glass Fiber Reinforced Thermosetting Resin) Ducts, **08.03**
- D3983-98(2011)** Test Method for Measuring Strength and Shear Modulus of Nonrigid Adhesives by the Thick-Adherend Tensile-Lap Specimen, **15.06**
- D3984-13** Specification for Ethane Thermophysical Property Tables, **05.06**
- D3985-05(2010)<sup>1</sup>** Test Method for Oxygen Gas Transmission Rate Through Plastic Film and Sheeting Using a Coulometric Sensor, **15.10**
- D3986-11** Test Method for Barium in Brines, Seawater, and Brackish Water by Direct-Current Argon Plasma Atomic Emission Spectroscopy, **11.02**
- D3987-12** Practice for Shake Extraction of Solid Waste with Water, **11.04**

- D3988-05(2011)** Test Method for Vanadium in Paint Driers by EDTA Method, **06.01**
- D3989-01(2012)** Test Method for Total Rare Earth Metals in Paint Driers by EDTA Method, **06.01**
- D3990-12<sup>-1</sup>** Terminology Relating to Fabric Defects, **07.01**
- D3991-94(2012)<sup>-1</sup>** Specifications for Fineness of Wool or Mohair and Assignment of Grade, **07.01**
- D3992-94(2012)<sup>-1</sup>** Specifications for Fineness of Wool Top or Mohair Top and Assignment of Grade, **07.01**
- D3993 Withdrawn 1994; Performance Specification for Woven, Thermal, Flocked, Nonwoven, and Knitted Household Blanket Fabrics; Replaced by D5432*
- D3994-14** Performance Specification for Woven Swimwear Fabrics, **07.01**
- D3995-14** Performance Specification for Men's and Women's Knitted Career Apparel Fabrics: Dress and Vocational, **07.01**
- D3996-14** Performance Specification for Knit Swimwear Fabrics, **07.01**
- D3997 Withdrawn 2003; Practice for Preparing Coke Samples for Microscopical Analysis by Reflected Light*
- D3997/D3997M-97(2009)** Practice for Preparing Coke Samples for Microscopical Analysis by Reflected Light, **05.06**
- D3998 Withdrawn 1990; Test Method for Pendulum-Impact Resistance of Extrusion Plastometer Extrudates*
- D3999/D3999M-11<sup>-1</sup>** Test Methods for the Determination of the Modulus and Damping Properties of Soils Using the Cyclic Triaxial Apparatus, **04.08**
- D4000-13** Classification System for Specifying Plastic Materials, **08.02**
- D4001-13** Test Method for Determination of Weight-Average Molecular Weight of Polymers By Light Scattering, **08.02**
- D4002-81(2008)** Practice for Evaluation of Buffable Shoe Polish, **15.04**
- D4003-98(2009)** Test Methods for Programmable Horizontal Impact Test for Shipping Containers and Systems, **15.10**
- D4004-06(2012)** Test Methods for Rubber—Determination of Metal Content by Flame Atomic Absorption (AAS) Analysis, **09.01**
- D4005-92(2010)** Test Method for Plastic-Coated Fabrics—Completeness of Fusion of PVC Dispersion Coatings, **09.02**
- D4006-11(2012)<sup>-1</sup>** Test Method for Water in Crude Oil by Distillation, **05.02**
- D4007-11<sup>-1</sup>** Test Method for Water and Sediment in Crude Oil by the Centrifuge Method (Laboratory Procedure), **05.02**
- D4008-95(2009)** Test Method for Measuring Anti-Soil Deposition Properties of Laundry Detergents (Not Suitable for Detergent Ranking), **15.04**
- D4009-92(2011)** Guide for Foam Stability of Hand Dishwashing Detergents, **15.04**
- D4010 Withdrawn 2000; Specification for Waterless Hand Cleaner*
- D4011 Withdrawn 2000; Specification for Lotion Soap*
- D4012-81(2009)** Test Method for Adenosine Triphosphate (ATP) Content of Microorganisms in Water, **11.02**
- D4013 Withdrawn 2013; Practice for Preparation of Test Specimens of Bituminous Mixtures by Means of Gyrotory Shear Compactor*
- D4014-03(2012)** Specification for Plain and Steel-Laminated Elastomeric Bearings for Bridges, **04.03**
- D4015-07** Test Methods for Modulus and Damping of Soils by Resonant-Column Method, **04.08**
- D4016-08** Test Method for Viscosity of Chemical Grouts by Brookfield Viscometer (Laboratory Method), **04.08**
- D4017-02(2008)<sup>-1</sup>** Test Method for Water in Paints and Paint Materials by Karl Fischer Method, **06.01**
- D4018-11** Test Methods for Properties of Continuous Filament Carbon and Graphite Fiber Tows, **15.03**
- D4019 Withdrawn 2002; Test Method for Moisture in Plastics by Coulometric Regeneration of Phosphorus Pentoxide*
- D4020-11** Specification for Ultra-High-Molecular-Weight Polyethylene Molding and Extrusion Materials, **08.02**
- D4021 Withdrawn 1998; Specification for Glass-Fiber-Reinforced Polyester Underground Petroleum Storage Tanks*
- D4022/D4022M-07(2012)<sup>-1</sup>** Specification for Coal Tar Roof Cement, Asbestos Containing, **04.04**
- D4023 Withdrawn 2002; Terminology Relating to Humidity Measurements; Replaced by D1356*
- D4024-12** Specification for Machine Made "Fiberglass" (Glass-Fiber-Reinforced Thermosetting Resin) Flanges, **08.03**
- D4025-08a(2013)** Practice for Reporting Results of Examination and Analysis of Deposits Formed from Water for Subsurface Injection, **11.02**
- D4026-06(2012)** Test Method for Rubber Latex—Styrene-Butadiene Copolymer—Determination of Residual Styrene, **09.01**
- D4027-98(2011)** Test Method for Measuring Shear Properties of Structural Adhesives by the Modified-Rail Test, **15.06**
- D4028/D4028M-13** Specification for Solar Screening Woven from Vinyl-Coated Fiber Glass Yarn, **07.01**
- D4029/D4029M-10** Specification for Finished Woven Glass Fabrics, **07.01**
- D4030/D4030M-09<sup>-1</sup>** Specification for Glass Fiber Cord and Sewing Thread, **07.01**
- D4031-07(2012)** Test Method for Bulk Properties of Textured Yarns, **07.01**
- D4032-08(2012)** Test Method for Stiffness of Fabric by the Circular Bend Procedure, **07.01**
- D4033 Withdrawn 2001; Test Method for Resistance to Yarn Slippage at the Sewn Seam in Upholstery Fabrics (Dynamic Fatigue Method)*
- D4034 Withdrawn 2001; Test Method for Resistance to Yarn Slippage at the Sewn Seam in Woven Upholstery Fabrics*
- D4035-14** Performance Specification for Knitted Necktie and Scarf Fabrics, **07.01**
- D4036 Withdrawn 1994; Performance Specification for Woven and Knit Household Pillowcase, Bed Sheet, and Crib Sheet Fabrics; Replaced by D5431*
- D4037-02(2013)** Performance Specification for Woven, Knitted, or Flocked Bedspread Fabrics, **07.01**
- D4038 Withdrawn 2004; Performance Specification for Women's and Girls' Woven Dress and Blouse Fabrics*
- D4039-09** Test Method for Reflection Haze of High-Gloss Surfaces, **06.01**
- D4040-10** Test Method for Rheological Properties of Paste Printing and Vehicles by the Falling-Rod Viscometer, **06.02**
- D4041/D4041M-05(2010)<sup>-1</sup>** Practice for Determining Spray Patterns of Mechanical Pump Dispensers, **15.10**
- D4042-93(2009)** Test Method for Sampling and Testing for Ash and Total Iron in Steel Mill Dispersions of Rolling Oils, **05.02**
- D4043-96(2010)<sup>-1</sup>** Guide for Selection of Aquifer Test Method in Determining Hydraulic Properties by Well Techniques, **04.08**
- D4044-96(2008)** Test Method for (Field Procedure) for Instantaneous Change in Head (Slug) Tests for Determining Hydraulic Properties of Aquifers, **04.08**
- D4045-04(2010)** Test Method for Sulfur in Petroleum Products by Hydrogenolysis and Rateometric Colorimetry, **05.02**
- D4046-11** Test Method for Alkyl Nitrate in Diesel Fuels by Spectrophotometry, **05.02**
- D4047-13** Test Method for Phosphorus in Lubricating Oils and Additives by Quinoline Phosphomolybdate Method, **05.02**
- D4048-10** Test Method for Detection of Copper Corrosion from Lubricating Grease, **05.02**
- D4049-06(2011)** Test Method for Determining the Resistance of Lubricating Grease to Water Spray, **05.02**
- D4050-96(2008)** Test Method for (Field Procedure) for Withdrawal and Injection Well Tests for Determining Hydraulic Properties of Aquifer Systems, **04.08**
- D4051-10** Practice for Preparation of Low-Pressure Gas Blends, **05.02**
- D4052-11** Test Method for Density, Relative Density, and API Gravity of Liquids by Digital Density Meter, **05.02**
- D4053 Withdrawn 2013; Test Method for Benzene in Motor and Aviation Gasoline by Infrared Spectroscopy; Replaced by D6277*
- D4054-09** Practice for Qualification and Approval of New Aviation Turbine Fuels and Fuel Additives, **05.02**
- D4055-04(2013)** Test Method for Pentane Insolubles by Membrane Filtration, **05.02**
- D4056-01(2010)** Test Method for Estimation of Solubility of Water in Hydrocarbon and Aliphatic Ester Lubricants, **05.02**
- D4057-12** Practice for Manual Sampling of Petroleum and Petroleum Products, **05.02**
- D4058-96(2011)<sup>-1</sup>** Test Method for Attrition and Abrasion of Catalysts and Catalyst Carriers, **05.05**
- D4059-00(2010)** Test Method for Analysis of Polychlorinated Biphenyls in Insulating Liquids by Gas Chromatography, **10.03**
- D4060-10** Test Method for Abrasion Resistance of Organic Coatings by the Taber Abraser, **06.01**
- D4061-13** Test Method for Retroreflectance of Horizontal Coatings, **06.01**
- D4062-11** Test Method for Leveling of Paints by Draw-Down Method, **06.02**
- D4063-99(2009)** Specification for Pressboard for Electrical Insulating Purposes, **10.02**
- D4064 Withdrawn 2007; Practice for Preservative Treatment of Utility Poles by the Thermal Process*
- D4065-12** Practice for Plastics: Dynamic Mechanical Properties: Determination and Report of Procedures, **08.02**
- D4066-13** Classification System for Nylon Injection and Extrusion Materials (PA), **08.02**
- D4067-11** Classification System for and Basis for Specification for Reinforced and Filled Poly(Phenylene Sulfide) (PPS) Injection Molding and Extrusion Materials Using ASTM Methods, **08.02**
- D4068-09** Specification for Chlorinated Polyethylene (CPE) Sheeting for Concealed Water-Containment Membrane, **08.03**
- D4069-95(2008)** Specification for Impregnated Activated Carbon Used to Remove Gaseous Radio-Iodines from Gas Streams, **15.01**
- D4070-08** Specification for Adhesive Lubricant for Installation of Preformed Elastomeric Bridge Compression Seals in Concrete Structures, **04.03**
- D4071-84(2011)** Practice for Use of Portland Cement Concrete Bridge Deck Water Barrier Membrane Systems, **04.03**
- D4072-98(2013)** Test Method for Toluene-Insoluble (TI) Content of Tar and Pitch, **05.02**
- D4073-06(2013)** Test Method for Tensile-Tear Strength of Bituminous Roofing Membranes, **04.04**
- D4074/D4074M-11** Test Method for Bitumen and Aggregate Content of Bitumen-Aggregate Mixtures From Roofing Samples, **04.04**
- D4075-06(2012)** Test Methods for Rubber Compounding Materials—Flame Atomic Absorption Analysis—Determination of Metals, **09.01**
- D4076 Withdrawn 1995; Specification for O-Xylene 950; Replaced by D5471*
- D4077-11** Specification for Cumene (Isopropylbenzene), **06.04**
- D4078-02(2008)** Specification for Water Emulsion Floor Polish, **15.04**
- D4079-00(2011)** Specification for Vapor-Degreasing Grade Methylene Chloride, **15.05**
- D4080-00(2011)** Specification for Trichloroethylene, Technical and Vapor-Degreasing Grade, **15.05**
- D4081-00(2011)** Specification for Drycleaning-Grade Perchloroethylene, **15.05**
- D4082-10** Test Method for Effects of Gamma Radiation on Coatings for Use in Nuclear Power Plants, **06.02**

- D4083-89(2007)** Practice for Description of Frozen Soils (Visual-Manual Procedure), **04.08**
- D4084-07(2012)** Test Method for Analysis of Hydrogen Sulfide in Gaseous Fuels (Lead Acetate Reaction Rate Method), **05.06**
- D4085-93(2013)** Test Method for Metals in Cellulose by Atomic Absorption Spectrophotometry, **06.03**
- D4086-92a(2012)** Practice for Visual Evaluation of Metamerism, **06.01**  
*D4087 Withdrawn 1984; Method of Sampling Petroleum Products*  
*D4088 Withdrawn 2003; Practice for Preparation for Shipment of Solid Electrical Insulating Materials*  
*D4089 Withdrawn 1986; Specification for Heavy Duty Chlorinated Polyethylene (CPE) Jacket for Wire and Cable*  
*D4090 Withdrawn 1986; Specification for General-Purpose Chlorinated Polyethylene (CPE) Jacket for Wire and Cable*  
*D4091 Withdrawn 1986; Specification for Extra-Heavy-Duty Black Chlorinated Polyethylene (CPE) Jacket for Wire and Cable*
- D4092-07(2013)** Terminology for Plastics: Dynamic Mechanical Properties, **08.02**
- D4093-95(2010)** Test Method for Photoelastic Measurements of Birefringence and Residual Strains in Transparent or Translucent Plastic Materials, **08.02**
- D4094-07** Test Method for Acid Content of Ethylene-Acrylic Acid Copolymers, **08.02**
- D4095-97(2008)** Practice for Use of the Refractometer for Determining Nonvolatile Matter (Total Solids) in Floor Polishes, **15.04**
- D4096-91(2009)** Test Method for Determination of Total Suspended Particulate Matter in the Atmosphere (High-Volume Sampler Method), **11.07**
- D4097-01(2010)** Specification for Contact-Molded Glass-Fiber-Reinforced Thermoset Resin Corrosion-Resistant Tanks, **08.03**  
*D4098 Withdrawn 1994; Practice for Evaluating High-Density Rigid Cellular Thermosets*  
*D4099 Withdrawn 1999; Specification for Poly(Vinyl Chloride)(PVC) Prime Windows/Sliding Glass Doors*  
*D4100 Withdrawn 1997; Test Method for Gravimetric Determination of Smoke Particulates from Combustion of Plastic Materials*
- D4101-14** Specification for Polypropylene Injection and Extrusion Materials, **08.02**
- D4102-82(2008)** Test Method for Thermal Oxidative Resistance of Carbon Fibers, **15.03**
- D4103-90(2009)** Practice for Preparation of Substrate Surfaces for Coefficient of Friction Testing, **15.04**
- D4104-96(2010)<sup>1</sup>** Test Method (Analytical Procedure) for Determining Transmissivity of Nonleaky Confined Aquifers by Overdamped Well Response to Instantaneous Change in Head (Slug Tests), **04.08**
- D4105-96(2008)** Test Method for (Analytical Procedure) for Determining Transmissivity and Storage Coefficient of Nonleaky Confined Aquifers by the Modified Theis Nonequilibrium Method, **04.08**
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- D4107-08(2013)** Test Method for Tritium in Drinking Water, **11.02**  
*D4108 Withdrawn 1996; Test Method for Thermal Protective Performance of Materials for Clothing by Open-Flame Method*  
*D4109 Withdrawn 2011; Performance Specification for Mens' and Boys' Woven Coverall, Dungaree, Overall, and Shop-Coat Fabrics*  
*D4110 Withdrawn 2005; Performance Specification for Men's and Boys' Knitted Bathrobe, Dressing Gown, and Pajama Fabrics; Replaced by D7021*
- D4111-12** Performance Specification for Woven Napery and Tablecloth Fabrics: Household and Institutional, **07.01**
- D4112-02(2008)** Performance Specification for Woven Umbrella Fabrics, **07.01**
- D4113-02(2013)** Performance Specification for Woven Slipcover Fabrics, **07.01**
- D4114-14** Performance Specification for Woven Flat Lining Fabrics for Women's and Girls' Apparel, **07.01**
- D4115-14** Performance Specification for Women's and Girls' Knitted and Woven Dress Glove Fabrics, **07.01**
- D4116-14** Performance Specification for Women's and Girls' Knitted and Woven Corset-Girdle-Combination Fabrics, **07.01**  
*D4117 Withdrawn 2005; Performance Specification for Women's and Girls' Woven Robe, Negligee, Nightgown, Pajama, Slip, and Lingerie Fabrics; Replaced by D7021*
- D4118-01(2008)** Performance Specification for Women's Woven Coverall, Dungaree, Overall, and Shop Coat Fabrics, **07.01**
- D4119-14** Performance Specification for Men's and Boys' Knitted Dress Shirt Fabrics, **07.01**
- D4120-07(2012)** Test Method for Fiber Cohesion in Roving, Sliver, and Top in Dynamic Tests, **07.01**  
*D4121 Withdrawn 1992; Practice for Photographic Documentation of Coating and Lining Failures and Defects*
- D4122-10a** Practice for Carbon Black—Evaluation of an Industry Reference Black, **09.01**  
*D4123 Withdrawn 2003; Test Method for Indirect Tension Test for Resilient Modulus of Bituminous Mixtures*
- D4124-09** Test Method for Separation of Asphalt into Four Fractions, **04.03**
- D4125/D4125M-10** Test Methods for Asphalt Content of Bituminous Mixtures by the Nuclear Method, **04.03**
- D4126-02(2012)** Specification for Vapor-Degreasing Grade and General Solvent Grade, **15.05**
- D4127-12** Terminology Used with Ion-Selective Electrodes, **11.01**
- D4128-06(2012)** Guide for Identification and Quantitation of Organic Compounds in Water by Combined Gas Chromatography and Electron Impact Mass Spectrometry, **11.02**
- D4129-05(2013)** Test Method for Total and Organic Carbon in Water by High Temperature Oxidation and by Coulometric Detection, **11.02**
- D4130-08** Test Method for Sulfate Ion in Brackish Water, Seawater, and Brines, **11.02**
- D4131-84(2014)** Practice for Sampling Fish with Rotenone, **11.02**
- D4132-82(2012)** Practice for Sampling Phytoplankton with Conical Tow Nets, **11.02**
- D4133-82(2012)** Practice for Sampling Phytoplankton with Pumps, **11.02**
- D4134-82(2012)** Practice for Sampling Phytoplankton with a Clarke-Bumpus Plankton Sampler, **11.02**
- D4135-82(2012)** Practice for Sampling Phytoplankton With Depth-Integrating Samplers, **11.02**
- D4136-82(2012)** Practice for Sampling Phytoplankton with Water-Sampling Bottles, **11.02**
- D4137-82(2012)** Practice for Preserving Phytoplankton Samples, **11.02**
- D4138-07a(2013)** Practices for Measurement of Dry Film Thickness of Protective Coating Systems by Destructive, Cross-Sectioning Means, **06.01**
- D4139-04(2009)** Guide for Determining Volatile and Nonvolatile Content of Pigments, **06.03**
- D4140-07(2013)** Guide for Determining Volatile and Nonvolatile Content of Driers, Drying Oils, Naval Stores, and Solvents, **06.01**
- D4141-07** Practice for Conducting Black Box and Solar Concentrating Exposures of Coatings, **06.01**
- D4142-89(2009)** Guide for Testing Epoxy Resins, **06.03**
- D4143-89(2009)** Guide for Testing Latex Vehicles, **06.03**
- D4144-94(2010)** Test Method for Estimating Package Stability of Coatings for Ultraviolet Curing, **06.01**
- D4145-10** Test Method for Coating Flexibility of Prepainted Sheet, **06.02**
- D4146-10** Test Method for Formability of Zinc-Rich Primer/Chromate Complex Coatings on Steel, **06.02**
- D4147-99(2013)** Practice for Applying Coil Coatings Using The Wire-Wound Drawdown Bar, **06.02**
- D4148-82(2012)** Test Method for Analysis of Phytoplankton in Surface Water by the Sedgwick-Rafter Method, **11.02**
- D4149-82(2012)** Classification for Sampling Phytoplankton in Surface Waters, **11.02**
- D4150-08** Terminology Relating to Gaseous Fuels, **05.06**
- D4151-10** Test Method for Flammability of Blankets, **07.01**  
*D4152 Withdrawn 1994; Performance Specification for Woven Institutional Dish, Huck, and Terry Bath Towel Fabrics; Replaced by D5433*
- D4153-14** Performance Specification for Men's, Women's, and Children's Woven Handkerchief Fabrics, **07.01**
- D4154-14** Performance Specification for Men's and Boys' Knitted and Woven Beachwear and Sports Shirt Fabrics, **07.01**
- D4155-14** Performance Specification for Women's and Girls' Woven Sportswear, Shorts, Slacks, and Suiting Fabrics, **07.01**
- D4156-14** Performance Specification for Women's and Girls' Knitted Sportswear Fabrics, **07.01**
- D4157-13** Test Method for Abrasion Resistance of Textile Fabrics (Oscillatory Cylinder Method), **07.01**
- D4158-08(2012)** Guide for Abrasion Resistance of Textile Fabrics (Uniform Abrasion), **07.01**
- D4159** *Withdrawn 1992; Test Method for Resistance to Yarn Slippage in Woven Upholstery Fabrics—Plain, Tufted, or Flocked (Using a Simulated Seam)*  
*D4160 Withdrawn 1991; Specification for Reinforced Thermosetting Resin Pipe (RTRP) Fittings for Nonpressure Applications; Replaced by D3840*
- D4161-14** Specification for "Fiberglass" (Glass-Fiber-Reinforced Thermosetting-Resin) Pipe Joints Using Flexible Elastomeric Seals, **08.03**  
*D4162 Withdrawn 1987; Specification for Reinforced Thermosetting Resin Sewer and Industrial Pressure Pipe (RTRP)*  
*D4163 Withdrawn 1987; Specification for Reinforced Thermosetting Resin Pressure Pipe (RTRP)*
- D4164-03(2008)** Test Method for Mechanically Tapped Packing Density of Formed Catalyst and Catalyst Carriers, **05.05**
- D4165-06(2012)** Test Method for Cyanogen Chloride in Water, **11.02**  
*D4166 Withdrawn 2008; Test Method for Measurement of Thickness of Nonmagnetic Materials by Means of a Digital Magnetic Intensity Instrument*
- D4167-97(2007)** Specification for Fiber-Reinforced Plastic Fans and Blowers, **08.03**
- D4168-95(2008)<sup>1</sup>** Test Methods for Transmitted Shock Characteristics of Foam-in-Place Cushioning Materials, **15.10**
- D4169-09** Practice for Performance Testing of Shipping Containers and Systems, **15.10**
- D4170-10** Test Method for Fretting Wear Protection by Lubricating Greases, **05.02**
- D4171-11** Specification for Fuel System Icing Inhibitors, **05.02**
- D4172-94(2010)** Test Method for Wear Preventive Characteristics of Lubricating Fluid (Four-Ball Method), **05.02**  
*D4173 Withdrawn 1991; Practice for Evaluating Sheet Metal Forming Lubricant*
- D4174-89(2010)** Practice for Cleaning, Flushing, and Purification of Petroleum Fluid Hydraulic Systems, **05.02**
- D4175-09a<sup>4</sup>** Terminology Relating to Petroleum, Petroleum Products, and Lubricants, **05.02**

- D4176-04(2009)** Test Method for Free Water and Particulate Contamination in Distillate Fuels (Visual Inspection Procedures), **05.02**
- D4177-95(2010)** Practice for Automatic Sampling of Petroleum and Petroleum Products, **05.02**
- D4178-82(2012)** Practice for Calibrating Moisture Analyzers, **05.02**
- D4179-11** Test Method for Single Pellet Crush Strength of Formed Catalysts and Catalyst Carriers, **05.05**
- D4180-03(2008)** Test Method for Vibratory Packing Density of Formed Catalyst Particles and Catalyst Carriers, **05.05**
- D4181 Withdrawn 2005; Classification for Acetal (POM) Molding and Extrusion Materials; Replaced by D6778*
- D4182 Withdrawn 2010; Practice for Evaluation of Laboratories Using ASTM Procedures in the Sampling and Analysis of Coal and Coke; Replaced by D7448*
- D4183 Withdrawn 1994; Test Methods for Total Recoverable Phosphorus and Organic Phosphorus in Sediments*
- D4184 Withdrawn 1987; Specification for Reinforced Thermosetting Resin (RTRP) Sewer Pipe; Replaced by D3262*
- D4185-06(2011)** Practice for Measurement of Metals in Workplace Atmospheres by Flame Atomic Absorption Spectrophotometry, **11.07**
- D4186/D4186M-12** Test Method for One-Dimensional Consolidation Properties of Saturated Cohesive Soils Using Controlled-Strain Loading, **04.08**
- D4187 Withdrawn 1992; Test Methods for Zeta Potential of Colloids in Water and Waste Water*
- D4188-13** Practice for Performing Pressure In-Line Coagulation-Flocculation-Filtration Test in Water, **11.01**
- D4189-07(2014)** Test Method for Silt Density Index (SDI) of Water, **11.01**
- D4190-08** Test Method for Elements in Water by Direct-Current Plasma Atomic Emission Spectroscopy, **11.01**
- D4191-08** Test Method for Sodium in Water by Atomic Absorption Spectrophotometry, **11.01**
- D4192-08** Test Method for Potassium in Water by Atomic Absorption Spectrophotometry, **11.01**
- D4193-08(2013)<sup>1</sup>** Test Method for Thiocyanate in Water, **11.02**
- D4194-03(2014)** Test Methods for Operating Characteristics of Reverse Osmosis and Nanofiltration Devices, **11.02**
- D4195-08(2014)** Guide for Water Analysis for Reverse Osmosis and Nanofiltration Application, **11.02**
- D4196-05(2011)** Test Method for Confirming the Sterility of Membrane Filters, **11.02**
- D4197 Withdrawn 1994; Test Methods for Percent Porosity of Membrane Filters*
- D4198-82(2011)** Test Methods for Evaluating Absorbent Pads Used with Membrane Filters for Bacteriological Analysis and Growth, **11.02**
- D4199-82(2011)** Test Methods for Autoclavability of Membrane Filters, **11.02**
- D4200-82(2011)** Test Method for Evaluating Inhibitory Effects of Ink Grids on Membrane Filters, **11.02**
- D4201 Withdrawn 2005; Test Method for Coliphages in Water*
- D4202 Withdrawn 1998; Test Method for Thermal Stability of Poly(Vinyl Chloride) (PVC) Resin*
- D4203-12** Specification for and Basis for Specifications for Styrene-Acrylonitrile (SAN) Injection and Extrusion Materials, **08.02**
- D4204-12** Practice for Preparing Plastic Film Specimens for a Round-Robin Study, **08.02**
- D4205 Withdrawn 1997; Guide for Flammability and Combustion Testing of Rubber and Rubber-Like Materials; Replaced by D3814*
- D4206-96(2013)** Test Method for Sustained Burning of Liquid Mixtures Using the Small Scale Open-Cup Apparatus, **06.01**
- D4207 Withdrawn 1998; Test Method for Sustained Burning of Low-Viscosity Mixtures by the Wick Test*
- D4208-13** Test Method for Total Chlorine in Coal by the Oxygen Bomb Combustion/Ion Selective Electrode Method, **05.06**
- D4209-07(2013)** Practice for Determining Volatile and Nonvolatile Content of Cellulosics, Emulsions, Resin Solutions, Shellac, and Varnishes, **06.01**
- D4210 Withdrawn 2002; Practice for Interlaboratory Quality Control Procedures and a Discussion on Reporting Low-Level Data*
- D4211-82(2012)** Classification for Fish Sampling, **11.02**
- D4212-10** Test Method for Viscosity by Dip-Type Viscosity Cups, **06.01**
- D4213-08(2012)** Test Method for Scrub Resistance of Paints by Abrasion Weight Loss, **06.02**
- D4214-07** Test Methods for Evaluating the Degree of Chalking of Exterior Paint Films, **06.01**
- D4215-07(2013)** Specification for Cold-Mixed, Cold-Laid Bituminous Paving Mixtures, **04.03**
- D4216-13** Specification for Rigid Poly(Vinyl Chloride) (PVC) and Related PVC and Chlorinated Poly(Vinyl Chloride) (CPVC) Building Products Compounds, **08.02**
- D4217-07(2013)** Test Method for Gel Time of Thermosetting Coating Powder, **06.02**
- D4218-96(2008)** Test Method for Determination of Carbon Black Content in Polyethylene Compounds By the Muffle-Furnace Technique, **08.02**
- D4219-08** Test Method for Unconfined Compressive Strength Index of Chemical-, **04.08**
- D4220-95(2007)** Practices for Preserving and Transporting Soil Samples, **04.08**
- D4221-11** Test Method for Dispersive Characteristics of Clay Soil by Double Hydrometer, **04.08**
- D4222-03(2008)** Test Method for Determination of Nitrogen Adsorption and Desorption Isotherms of Catalysts and Catalyst Carriers by Static Volumetric Measurements, **05.05**
- D4223/D4223M-12** Practice for Preparation of Test Specimens of Asphalt-Stabilized Soils, **04.08**
- D4224 Withdrawn 1995; Test Method for Anionic Detergent by Para-Toluidine Hydrochloride; Replaced by D4251*
- D4225 Withdrawn 2009; Specification for Styrene-Butadiene Sheet*
- D4226-11** Test Methods for Impact Resistance of Rigid Poly(Vinyl Chloride) (PVC) Building Products, **08.03**
- D4227-05(2012)** Practice for Qualification of Coating Applicators for Application of Coatings to Concrete Surfaces, **06.02**
- D4228-05(2012)** Practice for Qualification of Coating Applicators for Application of Coatings to Steel Surfaces, **06.02**
- D4229 Withdrawn 1988; Method for Conducting Static Acute Toxicity Tests on Waste-Waters with Daphnia*
- D4230-02(2012)** Test Method of Measuring Humidity with Cooled-Surface Condensation (Dew-Point) Hygrometer, **11.07**
- D4231-14** Practice for Evaluation of Launderable Woven Dress Shirts and Sports Shirts, **07.01**
- D4232-14** Performance Specification for Men's and Women's Dress and Vocational Career Apparel Fabrics, **07.01**
- D4233 Withdrawn 2005; Performance Specification for Women's and Girls' Knitted and Woven Brassiere Fabrics; Replaced by D7019*
- D4234 Withdrawn 2005; Performance Specification for Women's and Girls' Knitted Robe, Negligee, Nightgown, Pajama, Slip, and Lingerie Fabrics; Replaced by D7021*
- D4235-01(2008)** Performance Specification for Women's and Girls' Knitted Blouse and Dress Fabrics, **07.01**
- D4236-94(2011)** Practice for Labeling Art Materials for Chronic Health Hazards, **06.02**
- D4237 Withdrawn 1997; Test Methods for Rubber Hose Used for Steam Applications*
- D4238 Withdrawn 1996; Test Method for Electrostatic Propensity of Textiles*
- D4239-14** Test Method for Sulfur in the Analysis Sample of Coal and Coke Using High-Temperature Tube Furnace Combustion, **05.06**
- D4240 Withdrawn 1995; Test Method for Airborne Asbestos Concentration in Workplace Atmosphere*
- D4241 Withdrawn 2008; Practice for Design of Gas Turbine Generator Lubricating Oil Systems*
- D4242-07(2013)** Test Method for Inclined Plate Flow for Thermosetting Coating Powders, **06.02**
- D4243-99(2009)** Test Method for Measurement of Average Viscometric Degree of Polymerization of New and Aged Electrical Papers and Boards, **10.02**
- D4244 Withdrawn 2007; Specification for General-Purpose, Heavy-Duty, and Extra-Heavy-Duty Acrylonitrile-Butadiene/Poly(Vinyl Chloride) (NBR/PVC) Jackets for Wire and Cable*
- D4245-08(2013)** Specification for Ozone-Resistant Thermoplastic Elastomer Insulation For Wire and Cable, 90°C Dry/75°C Wet Operation, **10.02**
- D4246-02(2010)** Specification for Ozone-Resistant Thermoplastic Elastomer Insulation For Wire and Cable, 90 C Operation, **10.02**
- D4247 Withdrawn 2006; Specification for General-Purpose, Black Heavy-Duty, and Black Extra-Heavy-Duty Crosslinked Polychloroprene Jackets for Wire and Cable*
- D4248 Withdrawn 2008; Practice for Design of Steam Turbine Generator Oil Systems*
- D4249 Withdrawn 2013; Test Method for Enumeration of Candida albicans in Water*
- D4250 Withdrawn 2009; Test Method for Water-Holding Capacity of Bibulous Fibrous Products*
- D4251-89(2009)** Test Method for Active Matter in Anionic Surfactants by Potentiometric Titration, **15.04**
- D4252-89(2009)** Test Methods for Chemical Analysis of Alcohol Ethoxylates and Alkylphenol Ethoxylates, **15.04**
- D4253-00(2006)** Test Methods for Maximum Index Density and Unit Weight of Soils Using a Vibratory Table, **04.08**
- D4254-00(2006)<sup>1</sup>** Test Methods for Minimum Index Density and Unit Weight of Soils and Calculation of Relative Density, **04.08**
- D4255/D4255M-01(2007)** Test Method for In-Plane Shear Properties of Polymer Matrix Composite Materials by the Rail Shear Method, **15.03**
- D4256 Withdrawn 1995; Test Method for Determination of the Decontaminability of Coatings Used in Light-Water Nuclear Power Plants*
- D4257 Withdrawn 1990; Practice for Design and Use of Safety Alert System for Hazardous Work Locations in the Coatings and Lining Industry*
- D4258-05(2012)** Practice for Surface Cleaning Concrete for Coating, **06.02**
- D4259-88(2012)** Practice for Abrading Concrete, **06.02**
- D4260-05(2012)** Practice for Liquid and Gelled Acid Etching of Concrete, **06.02**
- D4261-05(2012)** Practice for Surface Cleaning Concrete Masonry Units for Coating, **06.02**
- D4262-05(2012)** Test Method for pH of Chemically Cleaned or Etched Concrete Surfaces, **06.02**
- D4263-83(2012)** Test Method for Indicating Moisture in Concrete by the Plastic Sheet Method, **06.02**
- D4264 Withdrawn 1997; Test Method for Pressure Testing of Assemblies of Rubber-Lined Fire Hose and Rubber Booster Hose in Service on Interior Standpipes*
- D4265-14** Guide for Evaluating Stain Removal Performance in Home Laundering, **15.04**
- D4266-96(2009)<sup>1</sup>** Test Methods for Precoat Capacity of Powdered Ion-Exchange Resins, **11.02**
- D4267-07** Specification for Labels for Small-Volume (100 mL or Less) Parenteral Drug Containers, **15.10**

- D4268 *Withdrawn 2002; Test Methods for Testing Fiber Ropes*
- D4269 *Withdrawn 1992; Test Method for Shorn Pile Mass of Finished Tufted Pile Yarn Floor Covering*
- D4270 *Withdrawn 2009; Guide for Using Existing Practices in Developing and Writing Test Methods*
- D4271 *Withdrawn 2009; Practice for Writing Statements on Sampling in Test Methods for Textiles*
- D4272-14 Test Method for Total Energy Impact of Plastic Films By Dart Drop, **08.02**
- D4273-11 Test Method for Polyurethane Raw Materials: Determination of Primary Hydroxyl Content of Polyether Polyols, **08.02**
- D4274-11 Test Methods for Testing Polyurethane Raw Materials: Determination of Hydroxyl Numbers of Polyols, **08.02**
- D4275-09 Test Method for Determination of Butylated Hydroxy Toluene (BHT) in Polymers of Ethylene and Ethylene-Vinyl Acetate (EVA) Copolymers By Gas Chromatography, **08.02**
- D4276-02(2012) Practice for Confined Area Entry, **15.05**
- D4277 *Withdrawn 2007; Guide for Testing Amino Resins*
- D4278 *Withdrawn 2006; Practice for Wet Ashing Procedure for Preparing Wood Samples for Inorganic Chemical Analysis*
- D4279-95(2009) Test Methods for Water Vapor Transmission of Shipping Containers—Constant and Cycle Methods, **15.10**
- D4280-12 Specification for Extended Life Type, Nonplowable, Raised Retroreflective Pavement Markers, **04.03**
- D4281 *Withdrawn 2012; Test Method for Oil and Grease (Fluorocarbon Extractable Substances) by Gravimetric Determination*
- D4282-02(2010) Test Method for Determination of Free Cyanide in Water and Wastewater by Microdiffusion, **11.02**
- D4283-98(2010) Test Method for Viscosity of Silicone Fluids, **15.04**
- D4284-12 Test Method for Determining Pore Volume Distribution of Catalysts and Catalyst Carriers by Mercury Intrusion Porosimetry, **05.05**
- D4285-83(2012) Test Method for Indicating Oil or Water in Compressed Air, **06.02**
- D4286-08 Practice for Determining Coating Contractor Qualifications for Nuclear Powered Electric Generation Facilities, **06.02**
- D4287-00(2010) Test Method for High-Shear Viscosity Using a Cone/Plate Viscometer, **06.01**
- D4288-02(2012) Specification for Calcium Borosilicate Pigments, **06.03**
- D4289-03(2008) Test Method for Elastomer Compatibility of Lubricating Greases and Fluids, **05.02**
- D4290-07(2012) Test Method for Determining the Leakage Tendencies of Automotive Wheel Bearing Grease Under Accelerated Conditions, **05.02**
- D4291-04(2013) Test Method for Trace Ethylene Glycol in Used Engine Oil, **05.02**
- D4292-10 Test Method for Determination of Vibrated Bulk Density of Calcined Petroleum Coke, **05.02**
- D4293-83(2008) Specification for Phosphate Ester Based Fluids for Turbine Lubrication, **05.02**
- D4294-10 Test Method for Sulfur in Petroleum and Petroleum Products by Energy Dispersive X-ray Fluorescence Spectrometry, **05.02**
- D4295-89(2012) Classification for Rubber Compounding Materials—Zinc Oxide, **09.01**
- D4296-83(2009) Practice for Sampling Pitch, **05.02**
- D4297-10 Practice for Sampling and Handling Bisphenol A, **06.04**
- D4298-04(2010) Guide for Intercomparing Permeation Tubes to Establish Traceability, **11.07**
- D4299 *Withdrawn 1990; Test Methods for Effect of Bacterial Contamination on Permeance of Adhesive Preparations and Adhesives Films; Replaced by D4300, D4783*
- D4300-01(2013) Test Methods for Ability of Adhesive Films to Support or Resist the Growth of Fungi, **15.06**
- D4301-05(2013) Test Method for Total Chlorine in Epoxy Resins and Compounds, **06.03**
- D4302-05(2010) Specification for Artists' Oil, Resin-Oil, and Alkyd Paints, **06.02**
- D4303-10 Test Methods for Lightfastness of Pigments Used in Artists' Paints, **06.02**
- D4304-13 Specification for Mineral and Synthetic Lubricating Oil Used in Steam or Gas Turbines, **05.02**
- D4305 *Withdrawn 2010; Test Method for Filter Flow of Aviation Fuels at Low Temperatures*
- D4306-13 Practice for Aviation Fuel Sample Containers for Tests Affected by Trace Contamination, **05.02**
- D4307-99(2010) Practice for Preparation of Liquid Blends for Use as Analytical Standards, **05.02**
- D4308-13 Test Method for Electrical Conductivity of Liquid Hydrocarbons by Precision Meter, **05.02**
- D4309-12 Practice for Sample Digestion Using Closed Vessel Microwave Heating Technique for the Determination of Total Metals in Water, **11.01**
- D4310-10 Test Method for Determination of Sludging and Corrosion Tendencies of Inhibited Mineral Oils, **05.02**
- D4311/D4311M-09 Practice for Determining Asphalt Volume Correction to a Base Temperature, **04.03**
- D4312-95a(2010) Test Method for Toluene-Insoluble (TI) Content of Tar and Pitch (Short Method), **05.02**
- D4313-12 Specification for General-Purpose, Heavy-Duty, and Extra-Heavy-Duty Crosslinked Chlorinated Polyethylene (CM) Jackets For Wire and Cable, **10.02**
- D4314-12 Specification for General-Purpose, Heavy-Duty, and Extra-Heavy-Duty Crosslinked Chlorosulfonated Polyethylene (CSM) Jackets For Wire and Cable, **10.02**
- D4315-94(2012) Test Methods for Rubber Compounding Material—Zinc Oxide, **09.01**
- D4316-95(2010) Specification for Elastomeric Water Bottles, **09.02**
- D4317-98(2011) Specification for Polyvinyl Acetate-Based Emulsion Adhesives, **15.06**
- D4318-10<sup>-1</sup> Test Methods for Liquid Limit, Plastic Limit, and Plasticity Index of Soils, **04.08**
- D4319 *Withdrawn 2007; Test Method for Distribution Ratios by the Short-Term Batch Method*
- D4320/D4320M-09 Practice for Laboratory Preparation of Chemically Grouted Soil Specimens for Obtaining Engineering Parameters, **04.08**
- D4321-09 Test Method for Package Yield of Plastic Film, **08.02**
- D4322 *Withdrawn 2010; Test Method for Residual Acrylonitrile Monomer Styrene-Acrylonitrile Copolymers and Nitrile Rubber by Headspace Gas Chromatography*
- D4323-84(2009) Test Method for Hydrogen Sulfide in the Atmosphere by Rate of Change of Reflectance, **11.07**
- D4324 *Withdrawn 1998; Test Method for Carbon Black, Pelleted-Pellet Attrition; Replaced by D1508*
- D4325-13 Test Methods for Nonmetallic Semi-Conducting and Electrically Insulating Rubber Tapes, **10.02**
- D4326-13 Test Method for Major and Minor Elements in Coal and Coke Ash By X-Ray Fluorescence, **05.06**
- D4327-11 Test Method for Anions in Water by Suppressed Ion Chromatography, **11.01**
- D4328-08(2013) Practice for Calculation of Supersaturation of Barium Sulfate, Strontium Sulfate, and Calcium Sulfate Dihydrate (Gypsum) in Brackish Water, Seawater, and Brines, **11.02**
- D4329-13 Practice for Fluorescent Ultraviolet (UV) Lamp Apparatus Exposure of Plastics, **08.02**
- D4330-94(2008) Practice for Evaluation of Fiberglass Boat Polish and Wax, **15.04**
- D4331 *Withdrawn 1989; Practice for Measuring Effectiveness of Dedusting Agents for Powdered Chemicals*
- D4332-13 Practice for Conditioning Containers, Packages, or Packaging Components for Testing, **15.10**
- D4333/D4333M-05(2010)<sup>-1</sup> Test Method for the Compatibility of Mechanical Pump Dispenser Components, **15.10**
- D4334-05(2010) Test Method for the Determination of the Dip Tube Retention of a Mechanical Pump Dispenser, **15.10**
- D4335-99(2010) Test Method for Determination of Component Retention of a Mechanical Pump Dispenser, **15.10**
- D4336-05(2010) Test Methods for Determination of the Output Per Stroke of a Mechanical Pump Dispenser, **15.10**
- D4337-89(2009) Test Methods for Analysis of Linear Detergent Alkylates, **15.04**
- D4338-97(2011)<sup>-1</sup> Test Method for Flexibility Determination of Supported Adhesive Films by Mandrel Bend, **15.06**
- D4339-01(2013) Test Method for Determination of the Odor of Adhesives, **15.06**
- D4340-10 Test Method for Corrosion of Cast Aluminum Alloys in Engine Coolants Under Heat-Rejecting Conditions, **15.05**
- D4341 *Withdrawn 2005; Test Method for Creep of Hard Rock Core Specimens in Uniaxial Compression at Ambient or Elevated Temperature; Replaced by D7070*
- D4342 *Withdrawn 2003; Practice for Collecting of Benthic Macroinvertebrates with Ponar Grab Sampler*
- D4343 *Withdrawn 2003; Practice for Collecting Benthic Macroinvertebrates with Ekman Grab Sampler*
- D4344 *Withdrawn 2003; Practice for Collecting Benthic-Macroinvertebrates with Smith-McIntyre Grab Sampler*
- D4345 *Withdrawn 2003; Practice for Collecting Benthic Macroinvertebrates with Van Veen Grab Sampler*
- D4346 *Withdrawn 2003; Practice for Collecting Benthic Macroinvertebrates with Okean 50 Grab Sampler*
- D4347 *Withdrawn 2003; Practice for Collecting Benthic Macroinvertebrates with Shipek (Scoop) Grab Sampler*
- D4348 *Withdrawn 2003; Practice for Collecting Benthic Macroinvertebrates with Holme (Scoop) Grab Sampler*
- D4349-10 Classification System and Basis for Specification for Polyphenylene Ether (PPE) Materials, **08.02**
- D4350-13 Test Method for Corrosivity Index of Plastics and Fillers, **08.02**
- D4351 *Withdrawn 1992; Test Method for Measuring the Thermal Conductivity of Plastics by the Evaporation-Calorimetric Method*
- D4352 *Withdrawn 2003; Test Method for Determination of Magnetic Material Impurities in Electrical Grade Magnesium Oxide*
- D4353 *Withdrawn 1995; Test Method for Basic Stability of a Mechanical Pump Dispenser and Product*
- D4354-12 Practice for Sampling of Geosynthetics and Rolled Erosion Control Products(RECPs) for Testing, **04.13**
- D4355-07 Test Method for Deterioration of Geotextiles by Exposure to Light, Moisture and Heat in a Xenon Arc Type Apparatus, **04.13**
- D4356 *Withdrawn 2007; Practice for Establishing Consistent Test Method Tolerances*
- D4357 *Withdrawn 2003; Specification for Plastic Laminates Made from Woven-Roving and Woven-Yarn Glass Fabrics*
- D4358 *Withdrawn 2006; Test Method for Lead and Chromium in Air*

- Particulate Filter Samples of Lead Chromate Type Pigment Dusts by Atomic Absorption Spectroscopy*
- D4359-90(2012)** Test Method for Determining Whether a Material Is a Liquid or a Solid, **06.01**
- D4360-11** Specification for Specification for Methyl n-Amyl Ketone, **06.04**
- D4361-10** Test Method for Apparent Tack of Printing Inks and Vehicles by a Three-Roller Tackmeter, **06.02**
- D4362-13** Specification for Propane Thermophysical Property Tables, **05.06**
- D4363-12** Specification for Thermoplastic Chlorinated Polyethylene (CM) Jacket for Wire and Cable, **10.02**
- D4364-13** Practice for Performing Outdoor Accelerated Weathering Tests of Plastics Using Concentrated Sunlight, **08.02**
- D4365-13** Test Method for Determining Micropore Volume and Zeolite Area of a Catalyst, **05.05**
- D4366 Withdrawn 2003; Test Methods for Hardness of Organic Coatings by Pendulum Damping Tests; Replaced by ISO 1522*
- D4367-02(2012)** Test Method for Benzene in Hydrocarbon Solvents by Gas Chromatography, **06.04**
- D4368 Withdrawn 2005; Guide for Testing Poly(Vinyl Chloride) Resins*
- D4369 Withdrawn 1999; Specification for Boxed Facial Tissue for Industrial and Institutional Use*
- D4370-01(2012)** Test Methods for Acid and Base Milliequivalent Content of Electrocoat Bath, **06.01**
- D4371-06(2012)** Test Method for Determining the Washability Characteristics of Coal, **05.06**
- D4372 Withdrawn 2002; Specification for Flame-Resistant Materials Used in Camping Tentage*
- D4373-02(2007)** Test Method for Rapid Determination of Carbonate Content of Soils, **04.08**
- D4374** *Withdrawn 2013; Test Methods for Cyanides in Water--Automated Methods for Total Cyanide, Weak Acid Dissociable Cyanide, and Thiocyanate, 11.02*
- D4375-96(2011)** Practice for Basic Statistics in Committee D19 on Water, **11.01**
- D4376-02(2012)** Specification for Vapor-Degreasing Grade Perchloroethylene, **15.05**
- D4377-00(2011)** Test Method for Water in Crude Oils by Potentiometric Karl Fischer Titration, **05.02**
- D4378-13** Practice for In-Service Monitoring of Mineral Turbine Oils for Steam, Gas, and Combined Cycle Turbines, **05.02**
- D4379 Withdrawn 1987; Test Method for Emulsified Asphalt/Job Aggregate Cold Mix Test; Combined with D 244*
- D4380-12** Test Method for Density of Bentonitic Slurries, **04.08**
- D4381/D4381M-12** Test Method for Sand Content by Volume of Bentonitic Slurries, **04.08**
- D4382-12** Test Method for Barium in Water, Atomic Absorption Spectrophotometry, Graphite Furnace, **11.01**
- D4383-12** Specification for Plowable, Raised Retroreflective Pavement Markers, **04.03**
- D4384 Withdrawn 1995; Test Method for Residual Acrylonitrile Monomer in Styrene-Acrylonitrile Copolymers and Nitrile Rubber by Solution Injection Gas Chromatography*
- D4385-13** Practice for Classifying Visual Defects in Thermosetting Reinforced Plastic Pultruded Products, **08.02**
- D4386-95(2008)** Practice for Application of Floor Polishes to Maintain Multilayer Composite Tile or Flooring, **15.04**
- D4387 Withdrawn 2003; Guide for Selecting Grab Sampling Devices for Collecting Benthic Macroinvertebrates*
- D4388-13** Specification for Nonmetallic Semi-Conducting and Electrically Insulating Rubber Tapes, **10.02**
- D4389/D4389M-04(2010)<sup>1</sup>** Specification for Finished Glass Fabrics Woven From Rovings, **07.01**
- D4390 Withdrawn 1994; Practice for the Evaluation of the Performance of Terry Bathroom Products for Household Use; Replaced by D5433*
- D4391-93a(2013)<sup>2</sup>** Terminology Relating to The Burning Behavior of Textiles, **07.01**
- D4392 Withdrawn 1993; Terminology for Statistically Related Terms*
- D4393/D4393M Withdrawn 2014; Test Method for Strap Peel Adhesion of Reinforcing Cords or Fabrics to Rubber Compounds*
- D4394-08** Test Method for Determining In Situ Modulus of Deformation of Rock Mass Using Rigid Plate Loading Method, **04.08**
- D4395-08** Test Method for Determining In Situ Modulus of Deformation of Rock Mass Using Flexible Plate Loading Method, **04.08**
- D4396-06** Specification for Rigid Poly(Vinyl Chloride) (PVC) and Chlorinated Poly(Vinyl Chloride) (CPVC) Compounds for Plastic Pipe and Fittings Used in Nonpressure Applications, **08.02**
- D4397-10** Specification for Polyethylene Sheeting for Construction, Industrial, and Agricultural Applications, **08.02**
- D4398-07** Test Method for Determining the Chemical Resistance of Fiberglass-Reinforced Thermosetting Resins by One-Side Panel Exposure, **08.03**
- D4399-05(2011)** Test Method for Measuring Electrical Conductivity of Electrocoat Baths, **06.01**
- D4400-99(2012)<sup>1</sup>** Test Method for Sag Resistance of Paints Using a Multinotch Applicator, **06.02**
- D4401 Withdrawn 2003; Practice for Collecting Benthic Macroinvertebrates With Petersen Grab Sampler*
- D4402/D4402M-13** Test Method for Viscosity Determination of Asphalt at Elevated Temperatures Using a Rotational Viscometer, **04.04**
- D4403-12** Practice for Extensometers Used in Rock, **04.08**
- D4404-10** Test Method for Determination of Pore Volume and Pore Volume Distribution of Soil and Rock by Mercury Intrusion Porosimetry, **04.08**
- D4405 Withdrawn 2005; Test Method for Creep of Soft Rock Core Specimens in Uniaxial Compression at Ambient or Elevated Temperature; Replaced by D7070*
- D4406 Withdrawn 2005; Test Method for Creep of Rock Core Specimens in Triaxial Compression at Ambient or Elevated Temperatures; Replaced by D7070*
- D4407 Withdrawn 2003; Practice for Collecting Benthic Macroinvertebrates With Orange Peel Grab Sampler*
- D4408 Withdrawn 1994; Practice for Open Channel Flow Measurement by Acoustic Means; Replaced by D5389*
- D4409-95(2014)** Test Method for Velocity Measurements of Water in Open Channels with Rotating Element Current Meters, **11.01**
- D4410-10** Terminology for Fluvial Sediment, **11.01**
- D4411-03(2014)** Guide for Sampling Fluvial Sediment in Motion, **11.02**
- D4412-84(2009)** Test Methods for Sulfate-Reducing Bacteria in Water and Water-Formed Deposits, **11.02**
- D4413-98(2009)<sup>1</sup>** Test Method for Determination of Ethylene Oxide in Workplace Atmospheres (Charcoal Tube Methodology), **11.07**
- D4414-95(2013)** Practice for Measurement of Wet Film Thickness by Notch Gages, **06.01**
- D4415 Withdrawn 2011; Test Methods for Determination of Dimer in Acrylic Acid*
- D4416-09** Specification for Acrylic Acid, **06.04**
- D4417-11** Test Methods for Field Measurement of Surface Profile of Blast Cleaned Steel, **06.02**
- D4418-00(2011)** Practice for Receipt, Storage, and Handling of Fuels for Gas Turbines, **05.02**
- D4419-90(2010)** Test Method for Measurement of Transition Temperatures of Petroleum Waxes by Differential Scanning Calorimetry (DSC), **05.02**
- D4420 Withdrawn 2004; Test Method for Determination of Aromatics in Finished Gasoline by Gas Chromatography; Replaced by D5580*
- D4421 Withdrawn 2004; Test Method for Volatile Matter in Petroleum Coke*
- D4422-03(2008)** Test Method for Ash in Analysis of Petroleum Coke, **05.02**
- D4423-10** Test Method for Determination of Carbonyls in C4 Hydrocarbons, **05.02**
- D4424-09** Test Method for Butylene Analysis by Gas Chromatography, **05.02**
- D4425-09** Test Method for Oil Separation from Lubricating Grease by Centrifuging (Koppers Method), **05.02**
- D4426-01(2013)** Test Method for Determination of Percent Nonvolatile Content of Liquid Phenolic Resins Used for Wood Laminating, **15.06**
- D4427-13** Classification of Peat Samples by Laboratory Testing, **04.08**
- D4428/D4428M-07** Test Methods for Crosshole Seismic Testing, **04.08**
- D4429-09a** Test Method for CBR (California Bearing Ratio) of Soils in Place, **04.08**
- D4430-00(2010)** Practice for Determining the Operational Comparability of Meteorological Measurements, **11.07**
- D4431 Withdrawn 2000; Specification for Paper Towels for Industrial and Institutional Use*
- D4432 Withdrawn 2003; Guide for Purchasing Papers Used in Continuous Computer Forms*
- D4433 Withdrawn 1997; Specification for Flame Resistant Treated Paper and Paperboard*
- D4434/D4434M-12** Specification for Poly(Vinyl Chloride) Sheet Roofing, **04.04**
- D4435-13<sup>1</sup>** Test Method for Rock Bolt Anchor Pull Test, **04.08**
- D4436-13<sup>1</sup>** Test Method for Rock Bolt Long-Term Load Retention Test, **04.08**
- D4437-08(2013)** Practice for Non-destructive Testing (NDT) for Determining the Integrity of Seams Used in Joining Flexible Polymeric Sheet Geomembranes, **04.13**
- D4438-85(2007)** Test Method for Particle Size Distribution of Catalytic Material by Electronic Counting, **05.05**
- D4439-11** Terminology for Geosynthetics, **04.13**
- D4440-08** Test Method for Plastics: Dynamic Mechanical Properties Melt Rheology, **08.02**
- D4441-04(2010)** Specification for Aqueous Dispersions of Polytetrafluoroethylene, **08.02**
- D4442-07** Test Methods for Direct Moisture Content Measurement of Wood and Wood-Base Materials, **04.10**
- D4443-13** Test Method for Determining Residual Vinyl Chloride Monomer Content in PPB Range in Vinyl Chloride Homo- and Co-Polymers by Headspace Gas Chromatography, **08.02**
- D4444-13** Test Method for Laboratory Standardization and Calibration of Hand-Held Moisture Meters, **04.10**
- D4445-10** Test Method for Fungicides for Controlling Sapstain and Mold on Unseasoned Lumber (Laboratory Method), **04.10**
- D4446-08(2012)** Test Method for Anti-Swelling Effectiveness of Water-Repellent Formulations and Differential Swelling of Untreated Wood When Exposed to Liquid Water Environments, **06.02**
- D4447-10** Guide for Disposal of Laboratory Chemicals and Samples, **11.04**
- D4448-01(2013)** Guide for Sampling Ground-Water Monitoring Wells, **11.04**
- D4449-08** Test Method for Visual Evaluation of Gloss Differences Between Surfaces of Similar Appearance, **06.01**
- D4450-85(2012)** Test Method for Analysis of Zinc Hydroxy Phosphite Pigment, **06.03**
- D4451-02(2008)** Test Method for Pigment Content of Paints by Low-Temperature Ashing, **06.01**
- D4452-06** Practice for X-Ray Radiography of Soil Samples, **04.08**
- D4453-11** Practice for Handling of High Purity Water Samples, **11.01**
- D4454-85(2009)** Test Method for Simultaneous Enumeration of Total and

- Respiring Bacteria in Aquatic Systems by Microscopy, **11.02**
- D4455-85(2014)** Test Method for Enumeration of Aquatic Bacteria by Epifluorescence Microscopy Counting Procedure, **11.02**
- D4456-99(2009)\*<sup>1</sup>** Test Methods for Physical and Chemical Properties of Powdered Ion Exchange Resins, **11.02**
- D4457-02(2008)** Test Method for Determination of Dichloromethane and 1,1,1-Trichloroethane in Paints and Coatings by Direct Injection into a Gas Chromatograph, **06.01**
- D4458-09** Test Method for Chloride Ions in Brackish Water, Seawater, and Brines, **11.02**
- D4459-12** Practice for Xenon-Arc Exposure of Plastics Intended for Indoor Applications, **08.02**
- D4460-97(2009)** Practice for Calculating Precision Limits Where Values are Calculated from Other Test Methods, **04.03**
- D4461 Not Assigned*
- D4462-02(2012)** Specification for Zinc Hydroxy Phosphite Pigment, **06.03**
- D4463/D4463M-96(2013)\*<sup>1</sup>** Guide for Metals Free Steam Deactivation of Fresh Fluid Cracking Catalysts, **05.05**
- D4464-10** Test Method for Particle Size Distribution of Catalytic Material by Laser Light Scattering, **05.05**
- D4465-05(2010)** Performance Specification for Zippers for Dungarees, Jeans and Work Trousers, **07.02**
- D4466-02(2012)** Terminology Related to Multicomponent Textile Fibers, **07.02**
- D4467 Withdrawn 2010; Practice for Interlaboratory Testing of a Textile Test Method That Produces Non-Normally Distributed Data*
- D4468-85(2011)** Test Method for Total Sulfur in Gaseous Fuels by Hydrogenolysis and, **05.06**
- D4469-11** Practice for Calculating Percent Asphalt Absorption by the Aggregate in an Asphalt Pavement Mixture, **04.03**
- D4470-97(2010)** Test Method for Static Electrification, **10.02**
- D4471-10** Test Method for Pyridine Bases in Cresylic Acid by Direct Titration, **06.04**
- D4472-08(2014)** Guide for Recordkeeping for Reverse Osmosis and Nanofiltration Systems, **11.02**
- D4473-08** Test Method for Plastics: Dynamic Mechanical Properties: Cure Behavior, **08.02**
- D4474 Withdrawn 2008; Classification System for Styrenic Thermoplastic Elastomer Injection Molding and Extrusion Materials (TES)*
- D4475-02(2008)** Test Method for Apparent Horizontal Shear Strength of Pultruded Reinforced Plastic Rods By the Short-Beam Method, **08.02**
- D4476-09** Test Method for Flexural Properties of Fiber Reinforced Pultruded Plastic Rods, **08.02**
- D4477-09** Specification for Rigid (Unplasticized) Poly(Vinyl Chloride) (PVC) Soffit, **08.03**
- D4478 Withdrawn 1994; Test Methods for Oxygen Uptake*
- D4479/D4479M-07(2012)\*<sup>1</sup>** Specification for Asphalt Roof Coatings—Asbestos-Free, **04.04**
- D4480 Withdrawn 1999; Test Method for Measuring Surface Wind by Means of Wind Vanes and Rotating Anemometers; Replaced by D5741*
- D4481-10** Test Method for Total Nickel in Fresh Alumina-Base Catalysts, **05.05**
- D4482-11** Test Method for Rubber Property—Extension Cycling Fatigue, **09.01**
- D4483-14a** Practice for Evaluating Precision for Test Method Standards in the Rubber and Carbon Black Manufacturing Industries, **09.01**
- D4484 Withdrawn 1993; Test Method for Inorganic Particles in Marine Residual Fuel Oils by Selective Centrifugal Separation; Replaced by D5184*
- D4485-11c** Specification for Performance of Active API Service Category Engine Oils, **05.02**
- D4486-10** Test Method for Kinematic Viscosity of Volatile and Reactive Liquids, **05.02**
- D4487-90(2008)** Test Methods for Analysis of Calcium Borosilicate, **06.03**
- D4488 Withdrawn 2009; Guide for Testing Cleaning Performance of Products Intended for Use on Resilient Flooring and Washable Walls*
- D4489-95(2011)** Practices for Sampling of Waterborne Oils, **11.02**
- D4490-96(2011)** Practice for Measuring the Concentration of Toxic Gases or Vapors Using Detector Tubes, **11.07**
- D4491-99a(2014)\*<sup>1</sup>** Test Methods for Water Permeability of Geotextiles by Permittivity, **04.13**
- D4492-10** Test Method for Analysis of Benzene by Gas Chromatography, **06.04**
- D4493-12** Test Method for Solidification Point of Bisphenol A, **06.04**
- D4494-95(2010)\*<sup>1</sup>** Test Method for Detecting Residual Odor of Drycleaning Grade, **15.05**
- D4495-12** Test Method for Impact Resistance of Poly(Vinyl Chloride) (PVC) Rigid Profiles by Means of a Falling Weight, **08.03**
- D4496-13** Test Method for D-C Resistance or Conductance of Moderately Conductive Materials, **10.02**
- D4497-10** Test Method for Determining the Open Time of Hot Melt Adhesives (Manual Method), **15.10**
- D4498-07** Test Method for Heat-Fail Temperature in Shear of Hot Melt Adhesives, **15.10**
- D4499-07** Test Method for Heat Stability of Hot-Melt Adhesives, **15.10**
- D4500 Withdrawn 2001; Test Method for Determining Grit, Lumps, or Undissolved Matter in Water-Borne Adhesives*
- D4501-01(2014)** Test Method for Shear Strength of Adhesive Bonds Between Rigid Substrates by the Block-Shear Method, **15.06**
- D4502-92(2011)** Test Method for Heat and Moisture Resistance of Wood-Adhesive Joints, **15.06**
- D4503 Withdrawn 2012; Practice for Dissolution of Solid Waste by Lithium Metaborate Fusion*
- D4504-94(2011)** Specification for Molded Polyethylene Open-Head-Pails for Industrial Shipping of Nonhazardous Goods, **15.10**
- D4505-12** Specification for Preformed Retroreflective Pavement Marking Tape for Extended Service Life, **04.03**
- D4506-13\*<sup>1</sup>** Test Method for Determining In Situ Modulus of Deformation of Rock Mass Using Radial Jacking Test, **04.08**
- D4507 Withdrawn 1999; Specification for Thermoplastic Polyester (TPES) Materials; Replaced by D5927*
- D4508-10** Test Method for Chip Impact Strength of Plastics, **08.02**
- D4509 Withdrawn 2004; Test Methods for Determining the 24-Hour Gas (AIR) Space Acetaldehyde Content of Freshly Blown PET Bottles*
- D4510-05(2009)** Test Method for Counting Partial Cleavages in Wool and Other Animal Fibers, **07.02**
- D4511-11** Test Method for Hydraulic Conductivity of Essentially Saturated Peat, **04.08**
- D4512-03(2013)\*<sup>1</sup>** Test Method for Vibrated Apparent Packing Density of Fine Catalyst and Catalyst Carrier Particles and Powder, **05.05**
- D4513-11** Test Method for Particle Size Distribution of Catalytic Materials by Sieving, **05.05**
- D4514-12** Specification for Friction Tape, **10.02**
- D4515 Withdrawn 2006; Practice for Estimation of Holding Time for Water Samples Containing Organic Constituents; Replaced by D4841*
- D4516-00(2010)** Practice for Standardizing Reverse Osmosis Performance Data, **11.02**
- D4517-04(2009)** Test Method for Low-Level Total Silica in High-Purity Water by Flameless Atomic Absorption Spectroscopy, **11.02**
- D4518 Withdrawn 2000; Test Methods for Measuring Static Friction of Coating Surfaces*
- D4519-10** Test Method for On-Line Determination of Anions and Carbon Dioxide in High Purity Water by Cation Exchange and Degassed Cation Conductivity, **11.01**
- D4520-13** Practice for Determining Water Injectivity Through the Use of On-Site Floods, **11.02**
- D4521 Withdrawn 2001; Test Method for Coefficient of Static Friction of Corrugated and Solid Fiberboard*
- D4522-14** Performance Specification for Feather and Down Fillings for Textile Products, **07.02**
- D4523 Withdrawn 2003; Terminology Relation to Feather-Filled and Down-Filled Products*
- D4524-86(2012)** Test Method for Composition of Plumage, **07.02**
- D4525-13\*<sup>1</sup>** Test Method for Permeability of Rocks by Flowing Air, **04.08**
- D4526-12** Practice for Determination of Volatiles in Polymers by Static Headspace Gas Chromatography, **08.02**
- D4527-99(2011)** Test Method for Carbon Black—Solvent Extractables, **09.01**
- D4528-88(2012)** Classification for Rubber Compounding Materials—Sulfur, **09.01**
- D4529-01(2011)** Test Method for Estimation of Net Heat of Combustion of Aviation Fuels, **05.02**
- D4530-11** Test Method for Determination of Carbon Residue (Micro Method), **05.02**
- D4531-86(2008)** Test Methods for Bulk Density of Peat and Peat Products, **04.08**
- D4532-10** Test Method for Respirable Dust in Workplace Atmospheres Using Cyclone Samplers, **11.07**
- D4533-11** Test Method for Trapezoid Tearing Strength of Geotextiles, **04.13**
- D4534 Withdrawn 2006; Test Method for Benzene Content of Cyclic Products By Gas Chromatography*
- D4535-13\*<sup>1</sup>** Test Methods for Measurement of Thermal Expansion of Rock Using Dilatometer, **04.08**
- D4536 Withdrawn 2000; Test Method for High-Volume Sampling for Solid Particulate Matter and Determination of Particulate Emissions; Replaced by D6331*
- D4537-12** Guide for Establishing Procedures to Qualify and Certify Personnel Performing Coating and Lining Work Inspection in Nuclear Facilities, **06.02**
- D4538-05\*<sup>1</sup>** Terminology Relating to Protective Coating and Lining Work for Power Generation Facilities, **06.02**
- D4539-10** Test Method for Filterability of Diesel Fuels by Low-Temperature Flow Test (LTFT), **05.02**
- D4540 Withdrawn 1996; Guide for Testing Interior Latex Semigloss and Gloss Paints; Replaced by D5324*
- D4541-09\*<sup>1</sup>** Test Method for Pull-Off Strength of Coatings Using Portable Adhesion Testers, **06.02**
- D4542-07** Test Method for Pore Water Extraction and Determination of the Soluble Salt Content of Soils by Refractometer, **04.08**
- D4543-08** Practices for Preparing Rock Core as Cylindrical Test Specimens and Verifying Conformance to Dimensional and Shape Tolerances, **04.08**
- D4544-12** Practice for Estimating Peat Deposit Thickness, **04.08**
- D4545 Withdrawn 2008; Practice for Determining the Integrity of Factory Seams Used in Joining Manufactured Flexible Sheet Geomembranes*
- D4546-08** Test Methods for One-Dimensional Swell or Collapse of Cohesive Soils, **04.08**
- D4547-09** Guide for Sampling Waste and Soils for Volatile Organic Compounds, **11.04**
- D4548-11** Test Method for Anion-Cation Balance of Mixed Bed Ion-Exchange Resins, **11.02**
- D4549-11** Classification System and Basis for Specification for Polystyrene and Rubber-Modified Polystyrene Molding and Extrusion Materials (PS), **08.02**
- D4550 Withdrawn 2004; Classification for Thermoplastic Elastomer-Ether-Ester (TEEE); Replaced by D6835*



- D4551-12** Specification for Poly(Vinyl Chloride) (PVC) Plastic Flexible Concealed Water-Containment Membrane, **08.03**
- D4552/D4552M-10** Practice for Classifying Hot-Mix Recycling Agents, **04.03**
- D4553-08** Test Method for Determining In Situ Creep Characteristics of Rock, **04.08**
- D4554-12** Test Method for In Situ Determination of Direct Shear Strength of Rock Discontinuities, **04.08**
- D4555-10** Test Method for Determining Deformability and Strength of Weak Rock by an In Situ Uniaxial Compressive Test, **04.08**
- D4556 Withdrawn 2003; Guide for Selecting Stream-Net Sampling Devices for Collecting Benthic Macroinvertebrates*
- D4557 Withdrawn 2003; Practice for Collecting Benthic Macroinvertebrates with Surber and Related Type Samplers*
- D4558 Withdrawn 2003; Practice for Collecting Benthic Macroinvertebrates With Drift Nets*
- D4559-99(2010)** Test Method for Volatile Matter in Silicone Fluid, **10.03**
- D4560 Withdrawn 1999; Specification for Paper Napkins for Industrial and Institutional Use*
- D4561-11** Practice for Quality Control Systems for Organizations Producing and Applying Bituminous Paving Materials, **04.03**
- D4562-01(2013)** Test Method for Shear Strength of Adhesives Using Pin-and-Collar Specimen, **15.06**
- D4563-02(2008)** Test Method for Determination by Atomic Absorption Spectroscopy of Titanium Dioxide Content of Pigments Recovered From Whole Paint, **06.01**
- D4564 Withdrawn 2013; Test Method for Density and Unit Weight of Soil in Place by the Sleeve Method*
- D4565-10** Test Methods for Physical and Environmental Performance Properties of Insulations and Jackets for Telecommunications Wire and Cable, **10.02**
- D4566-08<sup>-1</sup>** Test Methods for Electrical Performance Properties of Insulations and Jackets for Telecommunications Wire and Cable, **10.02**
- D4567-03(2013)** Test Method for Single-Point Determination of Specific Surface Area of Catalysts and Catalyst Carriers Using Nitrogen Adsorption by Continuous Flow Method, **05.05**
- D4568-13** Test Methods for Evaluating Compatibility Between Cable Filling and Flooding Compounds And Polyolefin Wire and Cable Materials, **10.02**
- D4569-06(2012)** Test Method for Rubber Compounding Materials—Determination of Acidity in Sulfur, **09.01**
- D4570-02(2012)** Test Method for Rubber Chemicals—Determination of Particle Size of Sulfur by Sieving (Dry), **09.01**
- D4571-06(2012)** Test Methods for Rubber Compounding Materials—Determination of Volatile Material, **09.01**
- D4572-89(2012)** Test Method for Rubber Chemicals—Wet Sieve Analysis of Sulfur, **09.01**
- D4573-03(2009)** Test Method for Rubber Chemicals—Determination of Oil Content in Oil-Treated Sulfur, **09.01**
- D4574-06(2012)** Test Methods for Rubber Compounding Materials—Determination of Ash Content, **09.01**
- D4575-09** Test Methods for Rubber Deterioration—Reference and Alternative Method(s) for Determining Ozone Level in Laboratory Test Chambers, **09.01**
- D4576-08(2013)** Test Method for Mold Growth Resistance of Wet Blue, **15.04**
- D4577-05(2010)** Test Method for Compression Resistance of a Container Under Constant Load, **15.10**
- D4578-06(2012)** Test Methods for Rubber Chemicals—Determination of Percent Sulfur by Extraction, **09.01**
- D4579-00(2012)** Practice for Handling an Acid Degreaser or Still, **15.05**
- D4580/D4580M-12** Practice for Measuring Delaminations in Concrete Bridge Decks by Sounding, **04.03**
- D4581 Withdrawn 2013; Guide for Measurement of Morphologic Characteristics of Surface Water Bodies*
- D4582-10** Practice for Calculation and Adjustment of the Stiff and Davis Stability Index for Reverse Osmosis, **11.02**
- D4583-95(2009)** Practice for Carbon Black—Calculation of Process Indexes From an Analysis of Process Control Data, **09.01**
- D4584-05(2010)** Test Method for Measuring Apparent pH of Electrocoat Baths, **06.01**
- D4585/D4585M-13** Practice for Testing Water Resistance of Coatings Using Controlled Condensation, **06.01**
- D4586/D4586M-07(2012)<sup>-1</sup>** Specification for Asphalt Roof Cement, Asbestos-Free, **04.04**
- D4587-11** Practice for Fluorescent UV-Condensation Exposures of Paint and Related Coatings, **06.01**
- D4588 Withdrawn 1991; Guide for Analysis of p-Xylene; Replaced by D5136*
- D4589 Withdrawn 2002; Test Method for Nitrobenzene in Aniline*
- D4590-13** Test Method for Colorimetric Determination of, **06.04**
- D4591-07(2012)** Test Method for Determining Temperatures and Heats of Transitions of Fluoropolymers by Differential Scanning Calorimetry, **08.02**
- D4592-12** Specification for Preformed Retroreflective Pavement Marking Tape for Limited Service Life, **04.03**
- D4593 Not Assigned*
- D4594-96(2009)** Test Method for Effects of Temperature on Stability of Geotextiles, **04.13**
- D4595-11** Test Method for Tensile Properties of Geotextiles by the Wide-Width Strip Method, **04.13**
- D4596-09** Practice for Collection of Channel Samples of Coal in a Mine, **05.06**
- D4597-10** Practice for Sampling Workplace Atmospheres to Collect Gases or Vapors with Solid Sorbent Diffusive Samplers, **11.07**
- D4598 Withdrawn 1995; Practice for Sampling Workplace Atmospheres to Collect Gases or Vapors with Liquid Sorbent Diffusional Samplers*
- D4599-03(2009)<sup>-1</sup>** Practice for Measuring the Concentration of Toxic Gases or Vapors Using Length-of-Stain Dosimeters, **11.07**
- D4600-95(2010)** Test Method for Determination of Benzene-Soluble Particulate Matter in Workplace Atmospheres, **11.07**
- D4601/D4601M-04(2012)<sup>-1</sup>** Specification for Asphalt-Coated Glass Fiber Base Sheet Used in Roofing, **04.04**
- D4602-93(2008)** Guide for Nondestructive Testing of Pavements Using Cyclic-Loading Dynamic Deflection Equipment, **04.03**
- D4603-03(2011)<sup>-1</sup>** Test Method for Determining Inherent Viscosity of Poly(Ethylene Terephthalate) (PET) by Glass Capillary Viscometer, **08.02**
- D4604 Withdrawn 2001; Test Methods for Measurement of Cotton Fibers by High Volume Instruments (HVI) (Motion Control Fiber Information System)*
- D4605 Withdrawn 1995; Test Methods for Measurement of Cotton Fibers by High Volume Instruments (HVI) (Spinlab System of Zellweger Uster, Inc.)*
- D4606-03(2007)** Test Method for Determination of Arsenic and Selenium in Coal by the Hydride Generation/Atomic Absorption Method, **05.06**
- D4607-94(2011)** Test Method for Determination of Iodine Number of Activated Carbon, **15.01**
- D4608-89(2009)** Test Method for Citrate in Detergents, **15.04**
- D4609-08** Guide for Evaluating Effectiveness of Admixtures for Soil Stabilization, **04.08**
- D4610-98(2013)** Guide for Determining the Presence of and Removing Microbial (Fungal or Algal) Growth on Paint and Related Coatings, **06.01**
- D4611-08** Test Method for Specific Heat of Rock and Soil, **04.08**
- D4612-08** Practice for Calculating Thermal Diffusivity of Rocks, **04.08**
- D4613 Withdrawn 2005; Test Method for Measuring Apparent pH of Water Insoluble Phenol-Formaldehyde Resins*
- D4614-11** Specification for Ethyl Acetate (All Grades), **06.04**
- D4615-12** Specification for n-Butyl Acetate (All Grades), **06.04**
- D4616-95(2013)** Test Method for Microscopical Analysis by Reflected Light and Determination of Mesophase in a Pitch, **05.02**
- D4617 Withdrawn 2011; Classification System for Phenolic Compounds (PF)*
- D4618-92(2010)<sup>-1</sup>** Specification for Design and Fabrication of Flue Gas Desulfurization System Components for Protective Lining Application, **06.02**
- D4619-12** Practice for Inspection of Linings in Operating Flue Gas Desulfurization Systems, **06.02**
- D4620-02(2012)** Test Method for Evaluating the Effective Surface Area of Zinc Oxide in Rubber, **09.01**
- D4621 Withdrawn 2010; Guide for Quality Management in an Organization That Samples or Tests Coal and Coke; Replaced by D7448*
- D4622 Withdrawn 2000; Test Method for Rock Mass Monitoring Using Inclinometers*
- D4623-08** Test Method for Determination of In Situ Stress in Rock Mass by Overcoring Method—USBM Borehole Deformation Gauge, **04.08**
- D4624 Withdrawn 2004; Test Method for Measuring Apparent Viscosity by Capillary Viscometer at High-Temperature and High-Shear Rates*
- D4625-04(2009)** Test Method for Middle Distillate Fuel Storage Stability at 43°C (110°F), **05.02**
- D4626-95(2010)** Practice for Calculation of Gas Chromatographic Response Factors, **05.02**
- D4627-12** Test Method for Iron Chip Corrosion for Water-Miscible Metal-working Fluids, **05.02**
- D4628-05(2011)<sup>-1</sup>** Test Method for Analysis of Barium, Calcium, Magnesium, and Zinc in Unused Lubricating Oils by Atomic Absorption Spectrometry, **05.02**
- D4629-12** Test Method for Trace Nitrogen in Liquid Petroleum Hydrocarbons by Syringe/Inlet Oxidative Combustion and Chemiluminescence Detection, **05.02**
- D4630-96(2008)** Test Method for Determining Transmissivity and Storage Coefficient of Low-Permeability Rocks by In Situ Measurements Using the Constant Head Injection Test, **04.08**
- D4631-95(2008)** Test Method for Determining Transmissivity and Storativity of Low Permeability Rocks by In Situ Measurements Using Pressure Pulse Technique, **04.08**
- D4632/D4632M-08(2013)<sup>-1</sup>** Test Method for Grab Breaking Load and Elongation of Geotextiles, **04.13**
- D4633-10** Test Method for Energy Measurement for Dynamic Penetrometers, **04.08**
- D4634-11a** Classification System and Basis for Specification for Styrene-Maleic Anhydride Molding and Extrusion Materials (S/MA), **08.02**
- D4635-08a** Specification for Polyethylene Films Made from Low-Density Polyethylene for General Use and Packaging Applications, **08.02**
- D4636-09** Test Method for Corrosiveness and Oxidation Stability of Hydraulic Oils, Aircraft Turbine Engine Lubricants, and Other Highly Refined Oils, **05.02**
- D4637/D4637M-13** Specification for EPDM Sheet Used In Single-Ply Roof Membrane, **04.04**
- D4638-11** Guide for Preparation of Biological Samples for Inorganic Chemical Analysis, **11.01**
- D4639 Withdrawn 2004; Test Method for Volatile Content in Phenolic Resins*
- D4640-86(2009)** Test Method for Determining Stroke Cure Time of Thermosetting Phenol-Formaldehyde Resins, **06.03**
- D4641-12** Practice for Calculation of Pore Size Distributions of Catalysts and Catalyst Carriers from Nitrogen Desorption Isotherms, **05.05**
- D4642-04(2010)** Test Method for Platinum in Reforming Catalysts by Wet Chemistry, **05.05**
- D4643-08** Test Method for Determination of Water (Moisture) Content of Soil by Microwave Oven Heating, **04.08**

- D4644-08** Test Method for Slake Durability of Shales and Similar Weak Rocks, **04.08**
- D4645-08** Test Method for Determination of In-Situ Stress in Rock Using Hydraulic Fracturing Method, **04.08**
- D4646-03(2008)** Test Method for 24-h Batch-Type Measurement of Contaminant Sorption by Soils and Sediments, **11.04**
- D4647/D4647M-13** Test Methods for Identification and Classification of Dispersive Clay Soils by the Pinhole Test, **04.08**
- D4648/D4648M-13** Test Method for Laboratory Miniature Vane Shear Test for Saturated, **04.08**
- D4649-03(2009)** Guide for Selection and Use of Stretch Wrap Films, **15.10**
- D4650-08** Specification for Normal Butane Thermophysical Property Tables, **05.06**
- D4651-08** Specification for Isobutane Thermophysical Property Tables, **05.06**
- D4652-05(2012)** Specification for Silicone Fluid Used for Electrical Insulation, **10.03**
- D4653-87(2009)** Test Method for Total Chlorides in Leather, **15.04**
- D4654-87(2009)** Test Method for Sulfate Basicity in Leather, **15.04**
- D4655-95(2012)** Test Methods for Sulfates in Leather (Total, Neutral, and Combined Acid), **15.04**
- D4656** *Withdrawn 2000; Specification for Prediluted Aqueous Ethylene Glycol Base Engine Coolant (50 Volume % Minimum) for Automobiles and Light-Duty Service; Consolidated into D 3306*
- D4657** *Withdrawn 2005; Test Method for Polynuclear Aromatic Hydrocarbons in Water*
- D4658-09** Test Method for Sulfide Ion in Water, **11.01**
- D4659-14** Test Methods for Polyurethane Raw Materials: Determination of Specific Gravity of Isocyanates, **08.02**
- D4660-12** Test Methods for Polyurethane Raw Materials: Determination of the Isomer Content of Toluenediisocyanate, **08.02**
- D4661-13** Test Methods for Polyurethane Raw Materials: Determination of Total Chlorine in Isocyanates, **08.02**
- D4662-08(2011)<sup>1</sup>** Test Methods for Polyurethane Raw Materials: Determination of Acid and Alkalinity Numbers of Polyols, **08.02**
- D4663-10** Test Method for Polyurethane Raw Materials: Determination of Hydrolyzable Chlorine of Isocyanates, **08.02**
- D4664** *Withdrawn 1998; Test Method for Polyurethane Raw Materials: Determination of Freezing Point of Toluene Diisocyanate Mixtures*
- D4665** *Withdrawn 1992; Test Method for Polyurethane Raw Materials: Determination of Assay of Isocyanates; Replaced by D5155*
- D4666** *Withdrawn 1992; Test Method for Polyurethane Raw Materials: Determination of Amine Equivalent of Crude or Modified Isocyanates; Replaced by D5155*
- D4667** *Withdrawn 1998; Test Method for Polyurethane Raw Materials: Determination of Acidity in Toluene Diisocyanate; Replaced by D5629*
- D4668** *Withdrawn 1992; Test Method for Polyurethane Raw Materials: Determination of Sodium and Potassium in Polyols*
- D4669-07(2013)<sup>1</sup>** Test Method for Polyurethane Raw Materials: Determination of Specific Gravity of Polyols, **08.02**
- D4670-07(2012)<sup>1</sup>** Test Method for Polyurethane Raw Materials: Determination of Suspended Matter in Polyols, **08.02**
- D4671-05(2010)<sup>1</sup>** Test Methods for Polyurethane Raw Materials: Determination of Unsaturation of Polyols, **08.02**
- D4672-12** Test Method for Polyurethane Raw Materials: Determination of Water Content of Polyols, **08.02**
- D4673-02(2008)** Classification System for Acrylonitrile-Butadiene-Styrene (ABS) Plastics and Alloys Molding and Extrusion Materials, **08.02**
- D4674-02a(2010)** Practice for Accelerated Testing for Color Stability of Plastics Exposed to Indoor Office Environments, **08.02**
- D4675-09<sup>1</sup>** Guide for Selection and Use of Flat Strapping Materials, **15.10**
- D4676-94(2012)** Classification for Rubber Compounding Materials—Antidegradants, **09.01**
- D4677-87(2013)** Classification for Rubber Compounding Materials—Titanium Dioxide, **09.01**
- D4678-11** Practice for Rubber—Preparation, Testing, Acceptance, Documentation, and Use of Reference Materials, **09.01**
- D4679-02(2007)** Specification for Rubber General Purpose, Household or Beautician Gloves, **09.02**
- D4680-98(2011)** Test Method for Creep and Time to Failure of Adhesives in Static Shear by Compression Loading (Wood-to-Wood), **15.06**
- D4681** *Withdrawn 1995; Specification for Lubricants for Two-Stroke-Cycle Gasoline Engines (TSC-4)*
- D4682-13** Specification for Miscibility with Gasoline and Fluidity of Two-Stroke-Cycle Gasoline Engine Lubricants, **05.02**
- D4683-13** Test Method for Measuring Viscosity of New and Used Engine Oils at High Shear Rate and High Temperature by Tapered Bearing Simulator Viscometer at 150°C, **05.02**
- D4684-12** Test Method for Determination of Yield Stress and Apparent Viscosity of Engine Oils at Low Temperature, **05.02**
- D4685-07(2011)<sup>1</sup>** Test Method for Pile Fabric Abrasion, **07.02**
- D4686** *Withdrawn 2009; Guide for Identification and Transformation of Frequency Distributions*
- D4687-14** Guide for General Planning of Waste Sampling, **11.04**
- D4688-99(2013)** Test Method for Evaluating Structural Adhesives for Finger Jointing Lumber, **15.06**
- D4689-12** Specification for Adhesive, Casein-Type, **15.06**
- D4690-12** Specification for Urea-Formaldehyde Resin Adhesives, **15.06**
- D4691-11** Practice for Measuring Elements in Water by Flame Atomic Absorption Spectrophotometry, **11.01**
- D4692-01(2010)** Practice for Calculation and Adjustment of Sulfate Scaling Salts (CaSO<sub>4</sub>, SrSO<sub>4</sub>, and BaSO<sub>4</sub>) for Reverse Osmosis and Nanofiltration, **11.02**
- D4693-07(2012)** Test Method for Low-Temperature Torque of Grease-Lubricated Wheel Bearings, **05.02**
- D4694-09** Test Method for Deflections with a Falling-Weight-Type Impulse Load Device, **04.03**
- D4695-03(2008)** Guide for General Pavement Deflection Measurements, **04.03**
- D4696-92(2008)** Guide for Pore-Liquid Sampling from the Vadose Zone, **04.08**
- D4697** *Withdrawn 2009; Guide for Maintaining Test Methods in the User's Laboratory*
- D4698-92(2013)** Practice for Total Digestion of Sediment Samples for Chemical Analysis of Various Metals, **11.02**
- D4699-03(2013)** Test Method for Vibratory Packing Density of Large Formed Catalyst and Catalyst Carrier Particles, **05.05**
- D4700-91(2006)** Guide for Soil Sampling from the Vadose Zone, **04.08**
- D4701-00(2011)** Specification for Technical Grade Methylene Chloride, **15.05**
- D4702** *Withdrawn 2008; Practice for Quality Management of Mechanical Coal Sampling Systems; Replaced by D7430*
- D4703-10a** Practice for Compression Molding Thermoplastic Materials into Test Specimens, Plaques, or Sheets, **08.02**
- D4704-13** Test Method for Tearing Strength, Tongue Tear of Leather, **15.04**
- D4705-13** Test Method for Stitch Tear Strength of Leather, Double Hole, **15.04**
- D4706** *Withdrawn 2007; Test Method for Qualitative Determination of Methylol Group in Phenolic Resins*
- D4707-09(2013)** Test Method for Measuring Paint Spatter Resistance During Roller Application, **06.02**
- D4708-12** Practice for Preparation of Uniform Free Films of Organic Coatings, **06.01**
- D4709-07(2012)** Specification for Methyl Acrylate, **06.04**
- D4710-07(2012)** Specification for Acetaldehyde, **06.04**
- D4711-89(2009)** Test Method for Sulfonic and Sulfuric Acids in Alkylbenzene Sulfonic Acids, **15.04**
- D4712-87a(2005)** Guide for Testing Industrial Water-Reducible Coatings, **06.02**
- D4713-12** Test Methods for Nonvolatile Content of Heatset and Liquid Printing Ink Systems, **06.02**
- D4714** *Withdrawn 2010; Test Method for Determination of Effect of Moist Heat (50 % Relative Humidity and 90°C) on Properties of Paper and Board*
- D4715-98(2012)** Test Method for Coking Value of Tar and Pitch (Alcan), **05.02**
- D4716/D4716M-14** Test Method for Determining the (In-Plane) Flow Rate per Unit Width and Hydraulic Transmissivity of a Geosynthetic Using a Constant Head, **04.13**
- D4717** *Not Assigned*
- D4718-87(2007)** Practice for Correction of Unit Weight and Water Content for Soils Containing Oversize Particles, **04.08**
- D4719-07** Test Methods for Prebored Pressuremeter Testing in Soils, **04.08**
- D4720-08(2013)** Performance Specification for Soft Window Covering Fabrics for Household Use, **07.02**
- D4721-12** Practice for Evaluation of the Performance of Machine Washable and Drycleanable Bedcoverings and Accessories, **07.02**
- D4722** *Withdrawn 1994; Practice for the Evaluation of the Performance of Machine Washable Woven and Knit Household Bed Sheets and Pillowcases*
- D4723-07<sup>2</sup>** Classification Index of and Descriptions of Textile Flammability Test Methods, **07.02**
- D4724-11** Test Method for Entanglements in Untwisted Filament Yarns by Needle Insertion, **07.02**
- D4725-13** Terminology for Engine Coolants and Related Fluids, **15.05**
- D4726-09** Specification for Rigid Poly(Vinyl Chloride) (PVC) Exterior-Profile Extrusions Used for Assembled Windows and Doors, **08.03**
- D4727/D4727M-12** Specification for Corrugated and Solid Fiberboard Sheet Stock (Container Grade) and Cut Shapes, **15.10**
- D4728-06(2012)** Test Method for Random Vibration Testing of Shipping Containers, **15.10**
- D4729-08** Test Method for In Situ Stress and Modulus of Deformation Using Flatjack Method, **04.08**
- D4730-13** Specification for Flooding Compounds for Telecommunications Wire and Cable, **10.02**
- D4731-13** Specification for Hot-Application Filling Compounds for Telecommunications Wire and Cable, **10.02**
- D4732-13** Specification for Cool-Application Filling Compounds for Telecommunications Wire and Cable, **10.02**
- D4733-13** Test Methods for Solventless Electrical Insulating Varnishes, **10.02**
- D4734-12** Specification for Refined Benzene-545, **06.04**
- D4735-09** Test Method for Determination of Trace Thiophene in Refined Benzene by Gas Chromatography, **06.04**
- D4736** *Withdrawn 1995; Test Method for Evaluating Friction Retention Characteristics of Oils Used in Oil Cooled Bronze Faced Friction Clutches*
- D4737-10** Test Method for Calculated Cetane Index by Four Variable Equation, **05.02**
- D4738** *Withdrawn 1995; Practice for Calibration of Upright Cylindrical Tanks Using Optical Reference Line Method*
- D4739-11** Test Method for Base Number Determination by Potentiometric Hydrochloric Acid Titration, **05.02**
- D4740-04(2009)** Test Method for Cleanliness and Compatibility of Residual Fuels by Spot Test, **05.02**
- D4741-13** Test Method for Measuring Viscosity at High Temperature and High Shear Rate by Tapered-Plug Viscometer, **05.02**
- D4742-08<sup>1</sup>** Test Method for Oxidation Stability of Gasoline Automotive Engine Oils by Thin-Film Oxygen Uptake (TFOU), **05.02**

- D4743* Withdrawn 2003; Test Method for Efficacy of Solvent Systems for Dissolving Water-Formed Deposits
- D4744* Withdrawn 2002; Test Method for Organic Halides in Water by Carbon Adsorption-Microcoulometric Detection
- D4745-11a<sup>1</sup>** Specification for Filled Compounds of Polytetrafluoroethylene (PTFE) Molding and Extrusion Materials, **08.02**
- D4746-98(2013)** Test Method for Determination of Quinoline Insolubles (QI) in Tar and Pitch by Pressure Filtration, **05.02**
- D4747-02(2008)** Test Method for Determining Unreacted Monomer Content of Latexes Using Gas-Liquid Chromatography, **06.01**
- D4748-10** Test Method for Determining the Thickness of Bound Pavement Layers Using Short-Pulse Radar, **04.03**
- D4749-87(2012)** Test Method for Performing the Sieve Analysis of Coal and Designating Coal Size, **05.06**
- D4750* Withdrawn 2010; Test Method for Determining Subsurface Liquid Levels in a Borehole or Monitoring Well (Observation Well)
- D4751-12** Test Method for Determining Apparent Opening Size of a Geotextile, **04.13**
- D4752-10** Practice for Measuring MEK Resistance of Ethyl Silicate (Inorganic) Zinc-Rich Primers by Solvent Rub, **06.02**
- D4753-07** Guide for Evaluating, Selecting, and Specifying Balances and Standard Masses for Use in Soil, Rock, and Construction Materials Testing, **04.09**
- D4754-11** Test Method for Two-Sided Liquid Extraction of Plastic Materials Using FDA Migration Cell, **08.02**
- D4755-95(2010)** Test Method for Free Halogens in Halogenated Organic Solvents and Their Admixtures, **15.05**
- D4756-13** Practice for Installation of Rigid Poly(Vinyl Chloride) (PVC) Siding and Soffit, **08.03**
- D4757* Withdrawn 2004; Practice for Placarding Solvent Vapor Degreasers
- D4758* Withdrawn 2007; Test Method for Nonvolatile Content of Latexes
- D4759-11** Practice for Determining the Specification Conformance of Geosynthetics, **04.13**
- D4760* Withdrawn 1997; Test Method for Proper Resecuring of Type 1 (Continuous Thread) Child-Resistant Closures
- D4761-13** Test Methods for Mechanical Properties of Lumber and Wood-Base Structural Material, **04.10**
- D4762-11a** Guide for Testing Polymer Matrix Composite Materials, **15.03**
- D4763-06(2012)** Practice for Identification of Chemicals in Water by Fluorescence Spectroscopy, **11.02**
- D4764-01(2012)** Test Method for Determination by X-ray Fluorescence Spectroscopy of Titanium Dioxide Content in Paint, **06.01**
- D4765-13** Test Method for Measurement of Fluorides in Workplace Atmospheres by Ion-Selective Electrodes, **11.07**
- D4766-98(2009)<sup>1</sup>** Test Method for Vinyl Chloride in Workplace Atmospheres (Charcoal Tube Method), **11.07**
- D4767-11** Test Method for Consolidated Undrained Triaxial Compression Test for Cohesive Soils, **04.08**
- D4768-11** Test Method for Analysis of 2,6-Ditertiary-Butyl Para-Cresol and 2,6-Ditertiary-Butyl Phenol in Insulating Liquids by Gas Chromatography, **10.03**
- D4769-12** Specification for Woven and Warp Knitted Comforter Fabrics, **07.02**
- D4770/D4770M* Withdrawn 2008; Test Method for Appearance and Integrity of Highloft Batting After Refurbishing
- D4771/D4771M-09** Performance Specification for Knitted Upholstery Fabrics for Indoor Furniture, **07.02**
- D4772-14** Test Method for Surface Water Absorption of Terry Fabrics (Water Flow), **07.02**
- D4773-02(2012)** Test Method for Purity of Propylene Glycol Monomethyl Ether, Dipropylene Glycol Monomethyl Ether, and Propylene Glycol Monomethyl Ether Acetate, **06.04**
- D4774-11<sup>1</sup>** Specification for User Applied Drug Labels in Anesthesiology, **15.10**
- D4775/D4775M-09** Specification for Identification and Configuration of Prefilled Syringes and Delivery Systems for Drugs (Excluding Pharmacy Bulk Packages), **15.10**
- D4776/D4776M-10** Test Method for Adhesion of Tire Cords and Other Reinforcing Cords to Rubber Compounds by H-Test Procedure, **07.02**
- D4777* Withdrawn 1994; Test Method for Adhesion of Tire Cords and Other Reinforcing Cords to Rubber Compounds by Hot U-Test Procedure
- D4778-10** Test Method for Determination of Corrosion and Fouling Tendency of Cooling Water Under Heat Transfer Conditions, **11.01**
- D4779* Withdrawn 2002; Test Method for Total, Organic, and Inorganic Carbon in High Purity Water by Ultraviolet (UV) or Persulfate Oxidation, or Both, and Infrared Detection
- D4780-12** Test Method for Determination of Low Surface Area of Catalysts and Catalyst Carriers by Multipoint Krypton Adsorption, **05.05**
- D4781-03(2013)** Test Method for Mechanically Tapped Packing Density of Fine Catalyst Particles and Catalyst Carrier Particles, **05.05**
- D4782-10** Test Method for Palladium in Molecular Sieve Catalyst by Wet Chemistry, **05.05**
- D4783-01(2013)** Test Methods for Resistance of Adhesive Preparations in Container to Attack by Bacteria, Yeast, and Fungi, **15.06**
- D4784-93(2010)** Specification for LNG Density Calculation Models, **05.06**
- D4785-08(2013)<sup>1</sup>** Test Method for Low-Level Analysis of Iodine Radioisotopes in Water, **11.02**
- D4786-00(2010)** Test Method for Stitch Tear Strength, Single Hole, **15.04**
- D4787-13** Practice for Continuity Verification of Liquid or Sheet Linings Applied to Concrete Substrates, **06.02**
- D4788-03(2013)** Test Method for Detecting Delaminations in Bridge Decks Using Infrared Thermography, **04.03**
- D4789-12** Test Method for Solution Color of Bisphenol A (4,4'-Isopropylidene-diphenol), **06.04**
- D4790-11** Terminology of Aromatic Hydrocarbons and Related Chemicals, **06.04**
- D4791-10** Test Method for Flat Particles, Elongated Particles, or Flat and Elongated Particles in Coarse Aggregate, **04.03**
- D4792/D4792M-13** Test Method for Potential Expansion of Aggregates from Hydration Reactions, **04.03**
- D4793-09** Test Method for Sequential Batch Extraction of Waste with Water, **11.04**
- D4794-94(2009)** Test Method for Determination of Ethoxyl or Hydroxyethoxyl Substitution in Cellulose Ether Products by Gas Chromatography, **06.03**
- D4795-94(2008)** Test Method for Nitrogen Content of Soluble Nitrocellulose—Alternative Method, **06.03**
- D4796-10** Test Method for Bond Strength of Thermoplastic Traffic Marking Materials, **06.02**
- D4797-12a** Test Methods for Gravimetric Analysis of White and Yellow Thermoplastic Traffic Marking, **06.02**
- D4798/D4798M-11** Practice for Accelerated Weathering Test Conditions and Procedures for Bituminous Materials (Xenon-Arc Method), **04.04**
- D4799/D4799M-08(2013)<sup>1</sup>** Practice for Accelerated Weathering Test Conditions and Procedures for Bituminous Materials (Fluorescent UV, Water Spray, and Condensation Method), **04.04**
- D4800-94(2011)** Guide for Classifying and Specifying Adhesives, **15.06**
- D4801-08** Specification for Polyethylene Sheeting in Thickness of 0.25 mm (0.010 in.) and Greater, **08.02**
- D4802-10** Specification for Poly(Methyl Methacrylate) Acrylic Plastic Sheet, **08.02**
- D4803-10** Test Method for Predicting Heat Buildup in PVC Building Products, **08.03**
- D4804-09** Test Method for Determining the Flammability Characteristics of Nonrigid Solid Plastics, **08.02**
- D4805* Withdrawn 2002; Terminology for Plastics Standards
- D4806-13a** Specification for Denatured Fuel Ethanol for Blending with Gasolines for Use as Automotive Spark-Ignition Engine Fuel, **05.02**
- D4807-05(2010)** Test Method for Sediment in Crude Oil by Membrane Filtration, **05.02**
- D4808-01(2012)** Test Methods for Hydrogen Content of Light Distillates, Middle Distillates, Gas Oils, and Residua by Low-Resolution Nuclear Magnetic Resonance Spectroscopy, **05.02**
- D4809-13** Test Method for Heat of Combustion of Liquid Hydrocarbon Fuels by Bomb Calorimeter (Precision Method), **05.02**
- D4810-06(2011)** Test Method for Hydrogen Sulfide in Natural Gas Using Length-of-Stain Detector Tubes, **05.06**
- D4811/D4811M-06(2013)<sup>1</sup>** Specification for Nonvulcanized (Uncured) Rubber Sheet Used as Roof Flashing, **04.04**
- D4812-11** Test Method for Unnotched Cantilever Beam Impact Resistance of Plastics, **08.02**
- D4813* Not Assigned
- D4814-13a** Specification for Automotive Spark-Ignition Engine Fuel, **05.02**
- D4815-13** Test Method for Determination of MTBE, ETBE, TAME, DIPE, tertiary-Amyl Alcohol and C1 to C4 Alcohols in Gasoline by Gas Chromatography, **05.02**
- D4816* Withdrawn 1999; Test Method for Specific Heat of Aircraft Turbine Fuels by Thermal Analysis; Replaced by E1269
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- D4818-89(2012)** Classification for Rubber Compounding Materials—Vulcanization Accelerators, **09.01**
- D4819-13** Specification for Flexible Cellular Materials Made From Polyolefin Plastics, **08.02**
- D4820* Withdrawn 2000; Test Methods for Carbon Black—Surface Area by Multipoint B. E. T. Nitrogen Adsorption; Replaced by D6556
- D4821-07<sup>1</sup>** Guide for Carbon Black—Validation of Test Method Precision and Bias, **09.01**
- D4822-88(2014)** Guide for Selection of Methods of Particle Size Analysis of Fluvial Sediments (Manual Methods), **11.02**
- D4823-95(2014)** Guide for Core Sampling Submerged, Unconsolidated Sediments, **11.02**
- D4824-13** Test Method for Determination of Catalyst Acidity by Ammonia Chemisorption, **05.05**
- D4825* Withdrawn 2010; Test Method for Measurement of Curl in Cut-Sized Office Paper
- D4826* Withdrawn 2010; Practice for Units of Measurement and Conversion Factors for Pulp, Paper, and Paperboard
- D4827-03(2009)** Test Method for Determining the Unreacted Monomer Content of Latexes Using Capillary Column Gas Chromatography, **06.01**
- D4828-94(2012)<sup>1</sup>** Test Methods for Practical Washability of Organic Coatings, **06.02**
- D4829-11** Test Method for Expansion Index of Soils, **04.08**
- D4830-98(2006)** Test Methods for Characterizing Thermoplastic Fabrics Used in Roofing and Waterproofing, **04.04**
- D4831-00(2010)** Test Method for Buckle Tear Strength of Leather, **15.04**
- D4832-10** Test Method for Preparation and Testing of Controlled Low Strength Material (CLSM) Test Cylinders, **04.08**
- D4833/D4833M-07(2013)<sup>1</sup>** Test Method for Index Puncture Resistance of Geomembranes and Related Products, **04.13**
- D4834-03(2008)** Test Method for Detection of Lead in Paint by Direct

- Aspiration Atomic Absorption Spectroscopy, **06.01**
- D4835-08(2012)** Specification for Propylene Glycol Monomethyl Ether Acetate, **06.04**
- D4836-09** Specification for Dipropylene Glycol Monomethyl Ether, **06.04**
- D4837-07(2012)** Specification for Propylene Glycol Monomethyl Ether, **06.04**
- D4838-88(2010)** Test Method for Determining the Relative Tinting Strength of Chromatic Paints, **06.02**
- D4839-03(2011)** Test Method for Total Carbon and Organic Carbon in Water by Ultraviolet, or Persulfate Oxidation, or Both, and Infrared Detection, **11.02**
- D4840-99(2010)** Guide for Sample Chain-of-Custody Procedures, **11.01**
- D4841-88(2013)<sup>\*1</sup>** Practice for Estimation of Holding Time for Water Samples Containing Organic and Inorganic Constituents, **11.01**
- D4842 Withdrawn 2006; Test Method for Determining the Resistance of Solid Wastes to Freezing and Thawing*
- D4843-88(2009)** Test Method for Wetting and Drying Test of Solid Wastes, **11.04**
- D4844-03(2009)** Guide for Air Monitoring at Waste Management Facilities for Worker Protection, **11.04**
- D4845-10<sup>\*2</sup>** Terminology Relating to Wool, **07.02**
- D4846-96(2011)** Test Method for Resistance to Unsnapping of Snap Fasteners, **07.02**
- D4847-02(2008)** Performance Specification for Woven Awning and Canopy Fabrics, **07.02**
- D4848-98(2012)** Terminology Related to Force, Deformation and Related Properties of Textiles, **07.02**
- D4849-13<sup>\*1</sup>** Terminology Related to Yarns and Fibers, **07.02**
- D4850-13** Terminology Relating to Fabrics and Fabric Test Methods, **07.02**
- D4851-07(2011)** Test Methods for Coated and Laminated Fabrics for Architectural Use, **07.02**
- D4852-88(2009)<sup>\*1</sup>** Practice for Evaluation of Attached Upholstery Fabrics, **07.02**
- D4853 Withdrawn 2008; Guide for Reducing Test Variability*
- D4854 Withdrawn 2009; Guide for Estimating the Magnitude of Variability from Expected Sources in Sampling Plans*
- D4855 Withdrawn 2008; Practice for Comparing Test Methods*
- D4856-11** Test Method for Determination of Sulfuric Acid Mist in Workplace Atmospheres Collected on Mixed Cellulose Ester Filters (Ion Chromatographic Analysis), **11.07**
- D4857-12** Test Method for Determination of the Ability of Lubricants to Minimize Ring Sticking and Piston Deposits in Two-Stroke-Cycle Gasoline Engines Other Than Outboards, **05.02**
- D4858-13** Test Method for Determination of the Tendency of Lubricants to Promote Preignition in Two-Stroke-Cycle Gasoline Engines, **05.02**
- D4859-13** Specification for Lubricants for Two-Stroke-Cycle Spark-Ignition Gasoline Engines-TC, **05.02**
- D4860-13** Test Method for Free Water and Particulate Contamination in Middle Distillate Fuels (Clear and Bright Numerical Rating), **05.02**
- D4861-11** Practice for Sampling and Selection of Analytical Techniques for Pesticides and Polychlorinated Biphenyls in Air, **11.07**
- D4862 Withdrawn 1995; Test Method for Evaluating Hydraulic Transmission Fluid Antiwear Properties*
- D4863-13** Test Method for Determination of Lubricity of Two-Stroke-Cycle Gasoline Engine Lubricants, **05.02**
- D4864-90(2013)** Test Method for Determination of Traces of Methanol in Propylene Concentrates by Gas Chromatography, **05.02**
- D4865-09** Guide for Generation and Dissipation of Static Electricity in Petroleum Fuel Systems, **05.02**
- D4866/D4866M-88(2011)<sup>\*1</sup>** Performance Specification for Coal Tar Pitch Emulsion Pavement Sealer Mix Formulations Containing Mineral Aggregates and Optional Polymeric Admixtures, **04.04**
- D4867/D4867M-09** Test Method for Effect of Moisture on Asphalt Concrete Paving Mixtures, **04.03**
- D4868-00(2010)** Test Method for Estimation of Net and Gross Heat of Combustion of Burner and Diesel Fuels, **05.02**
- D4869/D4869M-05(2011)<sup>\*1</sup>** Specification for Asphalt-Saturated Organic Felt Underlayment Used in Steep Slope Roofing, **04.04**
- D4870-09** Test Method for Determination of Total Sediment in Residual Fuels, **05.02**
- D4871-11** Guide for Universal Oxidation/Thermal Stability Test Apparatus, **05.02**
- D4872-99(2010)** Test Method for Dielectric Testing of Wire and Cable Filling Compounds, **10.02**
- D4873-02(2009)** Guide for Identification, Storage, and Handling of Geosynthetic Rolls and Samples, **04.13**
- D4874-95(2014)** Test Method for Leaching Solid Material in a Column Apparatus, **11.04**
- D4875-11** Test Methods of Polyurethane Raw Materials: Determination of the Polymerized Ethylene Oxide Content of Polyether Polyols, **08.02**
- D4876 Withdrawn 2003; Test Method for Polyurethane Raw Materials: Determination of Acidity of Crude or Modified Isocyanates; replaced by D5523*
- D4877-10** Test Method for Polyurethane Raw Materials: Determination of APHA Color in Isocyanates, **08.02**
- D4878-08** Test Methods for Polyurethane Raw Materials: Determination of Viscosity of Polyols, **08.02**
- D4879-08** Guide for Geotechnical Mapping of Large Underground Openings in Rock, **04.08**
- D4880-08** Test Method for Salt Water Proofness of Insulating Varnishes Over Enamelled Magnet Wire, **10.02**
- D4881-05(2012)** Test Method for Thermal Endurance of Varnished Fibrous- or Film-Wrapped Magnet Wire, **10.02**
- D4882-05(2012)** Test Method for Bond Strength of Electrical Insulating Varnishes by the Twisted-Coil Test, **10.02**
- D4883-08** Test Method for Density of Polyethylene by the Ultrasound Technique, **08.02**
- D4884/D4884M-14a** Test Method for Strength of Sewn or Bonded Seams of Geotextiles, **04.13**
- D4885-01(2011)** Test Method for Determining Performance Strength of Geomembranes by the Wide Strip Tensile Method, **04.13**
- D4886-10** Test Method for Abrasion Resistance of Geotextiles (Sand Paper/Sliding Block Method), **04.13**
- D4887/D4887M-11** Practice for Preparation of Viscosity Blends for Hot Recycled Asphalt Materials, **04.03**
- D4888-06(2011)** Test Method for Water Vapor in Natural Gas Using Length-of-Stain Detector Tubes, **05.06**
- D4889-04(2011)** Test Methods for Polyurethane Raw Materials: Determination of Viscosity of Crude or Modified Isocyanates, **08.02**
- D4890-13** Test Methods for Polyurethane Raw Materials: Determination of Gardner and APHA Color of Polyols, **08.02**
- D4891-13** Test Method for Heating Value of Gases in Natural Gas and Flare Gases Range by Stoichiometric Combustion, **05.06**
- D4892-89(2009)** Test Method for Density of Solid Pitch (Helium Pycnometer Method), **05.02**
- D4893-94(2009)** Test Method for Determination of Pitch Volatility, **05.02**
- D4894-07(2012)** Specification for Polytetrafluoroethylene (PTFE) Granular Molding and Ram Extrusion Materials, **08.02**
- D4895-10** Specification for Polytetrafluoroethylene (PTFE) Resin Produced From Dispersion, **08.02**
- D4896-01(2008)<sup>\*1</sup>** Guide for Use of Adhesive-Bonded Single Lap-Joint Specimen Test Results, **15.06**
- D4897/D4897M-01(2009)** Specification for Asphalt-Coated Glass-Fiber Venting Base Sheet Used in Roofing, **04.04**
- D4898-90(2010)<sup>\*1</sup>** Test Method for Insoluble Contamination of Hydraulic Fluids by Gravimetric Analysis, **05.02**
- D4899-99(2009)** Practice for Analysis of Vegetable Tanning Materials—General, **15.04**
- D4900-99(2009)** Test Method for Lignosulfonates (Sulfite Cellulose) in Tanning Extracts, **15.04**
- D4901-99(2009)** Practice for Preparation of Solution of Liquid Vegetable Tannin Extracts, **15.04**
- D4902-99(2009)** Test Method for Evaporation and Drying of Analytical Solutions, **15.04**
- D4903-99(2009)** Test Method for Total Solids and Water in Vegetable Tanning Material Extracts, **15.04**
- D4904-99(2009)** Practice for Cooling of Analytical Solutions, **15.04**
- D4905-99(2009)** Practice for Preparation of Solution of Solid, Pasty and Powdered Vegetable Tannin Extracts, **15.04**
- D4906-95(2012)** Test Method for Total Solids and Ash Content in Leather Finishing Materials, **15.04**
- D4907-10** Test Method for Nitrocellulose in Finish on Leather, **15.04**
- D4908 Withdrawn 1997; Test Method for Tackiness of Finish on Leather; Replaced by D6183*
- D4909 Withdrawn 1996; Test Method for Color Stability of Vinyl-Coated Glass Textiles to Accelerated Weathering*
- D4910/D4910M-08(2013)** Tables of Body Measurements for Children, Infant Sizes—Premie to 24 Months, **07.02**
- D4911 Withdrawn 2000; Tolerances for Yarns Made of Man-Made Fibers and Spun on the Parallel Worst or Modified Worst System*
- D4912/D4912M-14** Test Method for Fabric Stability of Vinyl-Coated Glass Yarn Insect Screening and Louver Cloth, **07.02**
- D4913-00(2011)** Practice for Determining Concentration of Hydrogen Sulfide by Direct Reading, Length of Stain, Visual Chemical Detectors, **11.07**
- D4914-08** Test Methods for Density and Unit Weight of Soil and Rock in Place by the Sand Replacement Method in a Test Pit, **04.08**
- D4915 Withdrawn 2003; Guide for Manual Sampling of Coal from Tops of Railroad Cars; Replaced by D6883*
- D4916 Withdrawn 2008; Guide for Mechanical Auger Sampling; Replaced by D7430*
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- D4918 Withdrawn 2010; Test Method for Coefficient of Static Friction of Uncoated Writing and Printing Paper by Use of the Inclined Plane Method*
- D4919-03(2008)** Guide for Testing of Hazardous Materials Packagings, **15.10**
- D4920-13** Terminology Relating to Conditioning, Chemical, and Thermal Properties, **07.02**
- D4921-95(2012)** Test Method for Foaming Tendencies of Engine Coolants at Room Temperature, **15.05**
- D4922-09** Test Method for Determination of Radioactive Iron in Water, **11.02**
- D4923 Withdrawn 2010; Specification for Reinforced Thermosetting Plastic Poles*
- D4924-89(2012)** Classification for Petroleum Waxes for Use in Rubber Compounding, **09.01**
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- D4926-06(2011)** Test Method for Gamma Alumina Content in Catalysts Containing Silica and Alumina by X-ray Powder Diffraction, **05.05**
- D4927-10** Test Methods for Elemental Analysis of Lubricant and Additive Components—Barium, Calcium, Phosphorus, Sulfur, and Zinc by

- Wavelength-Dispersive X-Ray Fluorescence Spectroscopy, **05.02**
- D4928-12** Test Method for Water in Crude Oils by Coulometric Karl Fischer Titration, **05.02**
- D4929-07** Test Methods for Determination of Organic Chloride Content in Crude Oil, **05.02**
- D4930-06(2011)** Test Method for Dust Control Material on Calcined Petroleum Coke, **05.02**
- D4931-06(2011)** Test Method for Gross Moisture in Green Petroleum Coke, **05.02**
- D4932/D4932M-89(2014)<sup>1</sup>** Test Method for Fastener Rupture and Tear Resistance of Roofing and Waterproofing Sheets, Roll Roofing, and Shingles, **04.04**
- D4933-99(2010)** Guide for Moisture Conditioning of Wood and Wood-Based Materials, **04.10**
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- D4935-10** Test Method for Measuring the Electromagnetic Shielding Effectiveness of Planar Materials, **10.02**
- D4936-10** Test Method for Mercaptobenzothiazole Sulfenamide Assay by Reduction/Titration, **09.01**
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- D4941-06(2010)** Practice for Preparing Drawdowns of Artists' Paste Paints, **06.02**
- D4942-11** Test Methods for Water Pickup of Lithographic Printing Inks and Vehicles in a Laboratory Mixer, **06.02**
- D4943-08** Test Method for Shrinkage Factors of Soils by the Wax Method, **04.08**
- D4944-11** Test Method for Field Determination of Water (Moisture) Content of Soil by the Calcium Carbide Gas Pressure Tester, **04.08**
- D4945-12** Test Method for High-Strain Dynamic Testing of Deep Foundations, **04.08**
- D4946-89(2012)** Test Method for Blocking Resistance of Architectural Paints, **06.02**
- D4947 Withdrawn 2011; Test Method for Chlordane and Heptachlor Residues in Indoor Air*
- D4948-89(2012)** Test Method for Determination of the Upper Layer Separated from a Viscous Liquid, **06.01**
- D4949 Withdrawn 2011; Test Method for Determination of D-C Resistivity of Written Paper (Keithley Method)*
- D4950-13** Classification and Specification for Automotive Service Greases, **05.02**
- D4951-09** Test Method for Determination of Additive Elements in Lubricating Oils by Inductively Coupled Plasma Atomic Emission Spectrometry, **05.02**
- D4952-12** Test Method for Qualitative Analysis for Active Sulfur Species in Fuels and Solvents (Doctor Test), **05.02**
- D4953-06(2012)** Test Method for Vapor Pressure of Gasoline and Gasoline-Oxygenate Blends (Dry Method), **05.02**
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- D4956-13** Specification for Retroreflective Sheeting for Traffic Control, **04.03**
- D4957-08** Test Method for Apparent Viscosity of Asphalt Emulsion Residues and Non-Newtonian Bitumens by Vacuum Capillary Viscometer, **04.03**
- D4958-10** Test Method for Comparison of the Brush Drag of Latex Paints, **06.02**
- D4959-07** Test Method for Determination of Water (Moisture) Content of Soil By Direct Heating, **04.08**
- D4960-08(2013)** Test Method for Evaluation of Color for Thermoplastic Traffic Marking Materials, **06.02**
- D4961 Withdrawn 2004; Test Methods for Gas Chromatographic Analysis of Major Organic Impurities in Phenol Produced by the Cumene Process*
- D4962-02(2009)** Practice for NaI(Tl) Gamma-Ray Spectrometry of Water, **11.02**
- D4963/D4963M-11** Test Method for Ignition Loss of Glass Fiber Strands and Fabrics, **07.02**
- D4964-96(2012)<sup>1</sup>** Test Method for Tension and Elongation of Elastic Fabrics (Constant-Rate-of-Extension Type Tensile Testing Machine), **07.02**
- D4965 Withdrawn 2011; Terminology of Seams and Seam Finishes Used in Home Sewing; Replaced by D5646*
- D4966-12<sup>1</sup>** Test Method for Abrasion Resistance of Textile Fabrics (Martindale Abrasion Tester Method), **07.02**
- D4967-99(2013)** Guide for Selecting Materials to Be Used for Insulation, Jacketing and Strength Components in Fiber-Optic Cables, **10.02**
- D4968-09** Guide for Annual Review of Test Methods and Specifications for Plastics, **08.02**
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- D4970/D4970M-10<sup>1</sup>** Test Method for Pilling Resistance and Other Related Surface Changes of Textile Fabrics: Martindale Tester, **07.02**
- D4971-08** Test Method for Determining In Situ Modulus of Deformation of Rock Using Diametrically Loaded 76-mm (3-in.) Borehole Jack, **04.08**
- D4972-13** Test Method for pH of Soils, **04.08**
- D4973 Withdrawn 1998; Specification for White Rigid Poly(Vinyl Chloride)(PVC) Insulating Storm Windows*
- D4974-04(2011)** Test Method for Hot Air Thermal Shrinkage of Yarn and Cord Using a Thermal Shrinkage Oven, **07.02**
- D4975-14** Test Methods for Single-Filament Tire Bead Wire Made from Steel, **07.02**
- D4976-12a** Specification for Polyethylene Plastics Molding and Extrusion Materials, **08.02**
- D4977/D4977M-03(2013)<sup>1</sup>** Test Method for Granule Adhesion to Mineral Surfaced Roofing by Abrasion, **04.04**
- D4978-95(2007)** Test Methods for Screening of Reactive Sulfides in Waste, **11.04**
- D4979-12** Test Method for Physical Description Screening Analysis in Waste, **11.04**
- D4980 Withdrawn 2009; Test Methods for Screening of pH in Waste*
- D4981-12** Test Method for Screening of Oxidizers in Waste, **11.04**
- D4982-12** Test Methods for Flammability Potential Screening Analysis of Waste, **11.04**
- D4983 Withdrawn 2002; Test Method for Cyclohexylamine, Morpholine, and Diethylaminoethanol in Water and Condensed Steam by Direct Aqueous Injection Gas Chromatography*
- D4984-06(2011)** Test Method for Carbon Dioxide in Natural Gas Using Length-of-Stain Detector Tubes, **05.06**
- D4985-10** Specification for Low Silicate Ethylene Glycol Base Engine Coolant for Heavy Duty Engines Requiring a Pre-Charge of Supplemental Coolant Additive (SCA), **15.05**
- D4986-10** Test Method for Horizontal Burning Characteristics of Cellular Polymeric Materials, **08.02**
- D4987 Withdrawn 2010; Test Method for Tensile Breaking Strength of Perforations in One-Part Continuous Forms Paper*
- D4988 Withdrawn 2010; Test Method for Determination of Alkalinity of Paper as Calcium Carbonate (Alkaline Reserve of Paper)*
- D4989/D4989M-90a(2014)<sup>1</sup>** Test Method for Apparent Viscosity (Flow) of Roofing Bitumens Using the Parallel Plate Plastometer, **04.04**
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- D4991-07** Test Method for Leakage Testing of Empty Rigid Containers by Vacuum Method, **15.10**
- D4992-07** Practice for Evaluation of Rock to be Used for Erosion Control, **04.08**
- D4993-08(2014)** Practice for Calculation and Adjustment of Silica (SiO<sub>2</sub>), **11.02**
- D4994-89(2014)** Practice for Recovery of Viruses from Wastewater Sludges, **11.02**
- D4995-10** Specification for Electronic and Degreasing Grades of, **15.05**
- D4996 Withdrawn 1995; Test Method for Evaluation of Fluids for Effects on Wear of Tractor Final Drives*
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- D5000-05** Practice for Evaluating Activity of Clay Elements Using a Side-Stream Sensor, **05.02**
- D5001-10** Test Method for Measurement of Lubricity of Aviation Turbine Fuels by the Ball-on-Cylinder Lubricity Evaluator (BOCLE), **05.02**
- D5002-13** Test Method for Density and Relative Density of Crude Oils by Digital Density Analyzer, **05.02**
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- D5007-99(2013)** Test Method for Wet-to-Dry Hiding Change, **06.02**
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- D5010-08a<sup>1</sup>** Guide for Testing Printing Inks and Related Materials, **06.02**
- D5011-92(2009)** Practices for Calibration of Ozone Monitors Using Transfer Standards, **11.07**
- D5012-01(2013)** Guide for Preparation of Materials Used for the Collection and Preservation of Atmospheric Wet Deposition, **11.07**
- D5013-89(2009)** Practices for Sampling Wastes from Pipes and Other Point Discharges, **11.04**
- D5014 Withdrawn 2006; Test Method for Measurement of Formaldehyde in Indoor Air (Passive Sampler Methodology)*
- D5015-02(2008)** Test Method for pH of Atmospheric Wet Deposition Samples by Electrometric Determination, **11.07**
- D5016-08<sup>1</sup>** Test Method for Total Sulfur in Coal and Coke Combustion Residues Using a High-Temperature Tube Furnace Combustion Method with Infrared Absorption, **05.06**
- D5017-96(2009)<sup>1</sup>** Test Method for Determination of Linear Low Density Polyethylene (LLDPE) Composition by Carbon-13 Nuclear Magnetic Resonance, **08.02**
- D5018-89(2009)** Test Method for Shear Viscosity of Coal-Tar and Petroleum Pitches, **05.02**
- D5019 Withdrawn 2011; Specification for Reinforced CSM (Chlorosulfonated*

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- D5021** *Withdrawn 2007; Specification for Thermoplastic Elastomer-Chlorinated Ethylene Alloy (TECEA)*
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- D5023-07** Test Method for Plastics: Dynamic Mechanical Properties: In Flexure (Three-Point Bending), **08.02**
- D5024-07** Test Method for Plastics: Dynamic Mechanical Properties: In Compression, **08.02**
- D5025-12** Specification for Laboratory Burner Used for Small-Scale Burning Tests on Plastic Materials, **08.02**
- D5026-06** Test Method for Plastics: Dynamic Mechanical Properties: In Tension, **08.02**
- D5027** *Not Assigned*
- D5028-09** Test Method for Curing Properties of Pultrusion Resins by Thermal Analysis, **08.02**
- D5029-98(2009)** Test Method for Water Solubles in Activated Carbon, **15.01**
- D5030/D5030M-13a** Test Methods for Density of Soil and Rock in Place by the Water Replacement Method in a Test Pit, **04.08**
- D5031/D5031M-13** Practice for Enclosed Carbon-Arc Exposure Tests of Paint and Related Coatings, **06.01**
- D5032-11** Practice for Maintaining Constant Relative Humidity by Means of Aqueous Glycerin Solutions, **10.02**
- D5033** *Withdrawn 2007; Guide for Development of ASTM Standards Relating to Recycling and Use of Recycled Plastics; Replaced by D7209*
- D5034-09(2013)** Test Method for Breaking Strength and Elongation of Textile Fabrics (Grab Test), **07.02**
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- D5036** *Withdrawn 2012; Practice for Application of Adhered Poly(Vinyl Chloride) Sheet Roofing, 04.04*
- D5037** *Withdrawn 2002; Test Method for Comparison of Waterborne Petroleum Oils by High Performance Liquid Chromatography*
- D5038** *Withdrawn 2009; Terminology of Textile Conservation*
- D5039** *Withdrawn 2009; Test Methods for Identification of Wire Side of Paper*
- D5040-90(2011)** Test Methods for Ash Content of Adhesives, **15.06**
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- D5042-90(2009)** Test Method for Estimating the Organic Fouling of Particulate Anion Exchange Resins, **11.02**
- D5043-04(2009)** Practice for Field Identification of Coatings, **06.02**
- D5044-06(2012)** Test Method for Rubber Compounding Materials—Free 2-Mercaptobenzothiazole (MBT) in Benzothiazyl Disulfide (MBTS), **09.01**
- D5045-99(2007)<sup>1</sup>** Test Methods for Plane-Strain Fracture Toughness and Strain Energy Release Rate of Plastic Materials, **08.02**
- D5046** *Withdrawn 2000; Classification for Fully Crosslinked Elastomeric Alloys (FCEAs); Replaced by D6338*
- D5047-09** Specification for Polyethylene Terephthalate Film and Sheeting, **08.02**
- D5048-09** Test Method for Measuring the Comparative Burning Characteristics and Resistance to Burn-Through of Solid Plastics Using a 125-mm Flame, **08.02**
- D5049** *Withdrawn 1999; Test Method for Screening of Cyanides in Waste*
- D5050-08** Guide for Commercial Use of Lime Kiln Dusts and Portland Cement Kiln Dusts, **11.04**
- D5051-06(2012)** Test Method for Rubber Compounding Materials—Benzothiazyl Disulfide (MBTS)—Assay, **09.01**
- D5052-00(2010)** Test Method for Permeability of Leather to Water Vapor, **15.04**
- D5053-03(2009)** Test Method for Colorfastness of Crocking of Leather, **15.04**
- D5054-90(2009)** Test Method for Rubber Chemicals—Diphenyl Guanidine (DPG) and Di-*o*-tolyl-guanidine (DOTG) Assay, **09.01**
- D5055-13<sup>1</sup>** Specification for Establishing and Monitoring Structural Capacities of Prefabricated Wood I-Joists, **04.10**
- D5056-04(2010)** Test Method for Trace Metals in Petroleum Coke by Atomic Absorption, **05.02**
- D5057-10** Test Method for Screening Apparent Specific Gravity and Bulk Density of Waste, **11.04**
- D5058-12** Practices for Compatibility of Screening Analysis of Waste, **11.04**
- D5059-13** Test Methods for Lead in Gasoline by X-Ray Spectroscopy, **05.02**
- D5060-12** Test Method for Determining Impurities in High-Purity Ethylbenzene by Gas Chromatography, **06.04**
- D5061-07** Test Method for Microscopical Determination of the Textural Components of Metallurgical Coke, **05.06**
- D5062-09** Test Method for Resin Solution Dilutability by Volumetric/Gravimetric Determination, **06.03**
- D5063-90(2012)** Guide for Use of Certification of Coating Conformance Form, **06.02**
- D5064-07(2012)** Practice for Conducting a Patch Test to Assess Coating Compatibility, **06.02**
- D5065-13** Guide for Assessing the Condition of Aged Coatings on Steel Surfaces, **06.02**
- D5066-91(2011)<sup>1</sup>** Test Method for Determination of the Transfer Efficiency Under Production Conditions for Spray Application of Automotive Paints—Weight Basis, **06.02**
- D5067-05(2010)** Specification for Artists' Watercolor Paints, **06.02**
- D5068-04(2013)** Practice for Preparation of Paint Brushes for Evaluation, **06.02**
- D5069-07** Practice for Preparation of Paint-Roller Covers for Evaluation of Architectural Coatings, **06.02**
- D5070-90(2014)** Test Method for Synthetic Quaternary Ammonium Salts in Fabric Softeners by Potentiometric Titrations, **15.04**
- D5071-06(2013)** Practice for Exposure of Photodegradable Plastics in a Xenon Arc Apparatus, **08.02**
- D5072-09** Test Method for Radon in Drinking Water, **11.02**
- D5073-02(2013)** Practice for Depth Measurement of Surface Water, **11.02**
- D5074-90(2014)** Practice for Preparation of Natural-Matrix Sediment Reference Samples for Major and Trace Inorganic Constituents Analysis by Partial Extraction Procedures, **11.02**
- D5075-01(2012)<sup>1</sup>** Test Method for Nicotine and 3-Ethenylpyridine in Indoor Air, **11.07**
- D5076/D5076M-13** Test Method for Measuring Voids in Roofing and Waterproofing Membranes, **04.04**
- D5077-90(2009)** Terminology Relating to Electrostatic Discharge (ESD) Packaging Materials, **15.10**
- D5078/D5078M-11** Specification for Crack Filler, Hot-Applied, for Asphalt Concrete and Portland Cement Concrete Pavements, **04.03**
- D5079-08** Practices for Preserving and Transporting Rock Core Samples, **04.08**
- D5080-08** Test Method for Rapid Determination of Percent Compaction, **04.08**
- D5081/D5081M-90(2011)<sup>1</sup>** Test Method for Aggregate Layer Hiding Power, **04.04**
- D5082** *Withdrawn 2012; Practice for Application of Mechanically Attached Poly(Vinyl Chloride) Sheet Roofing*
- D5083-10** Test Method for Tensile Properties of Reinforced Thermosetting Plastics Using Straight-Sided Specimens, **08.02**
- D5084-10** Test Methods for Measurement of Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter, **04.08**
- D5085-02(2013)** Test Method for Determination of Chloride, Nitrate, and Sulfate in Atmospheric Wet Deposition by Chemically Suppressed Ion Chromatography, **11.07**
- D5086-01(2013)** Test Method for Determination of Calcium, Magnesium, Potassium, and Sodium in Atmospheric Wet Deposition by Flame Atomic Absorption Spectrophotometry, **11.07**
- D5087-02(2008)** Test Method for Determining Amount of Volatile Organic Compound (VOC) Released from Solventborne Automotive Coatings and Available for Removal in a VOC Control Device (Abatement), **06.01**
- D5088-02(2008)** Practice for Decontamination of Field Equipment Used at Waste Sites, **04.08**
- D5089-95(2014)** Test Method for Velocity Measurements of Water in Open Channels with Electromagnetic Current Meters, **11.01**
- D5090-07** Practice for Standardizing Ultrafiltration Permeate Flow Performance Data, **11.02**
- D5091-95(2007)** Guide for Water Analysis for Electrodialysis/Electrodialysis Reversal Applications, **11.02**
- D5092-04(2010)<sup>1</sup>** Practice for Design and Installation of Groundwater Monitoring Wells, **04.08**
- D5093-02(2008)** Test Method for Field Measurement of Infiltration Rate Using Double-Ring Infiltrometer with Sealed-Inner Ring, **04.08**
- D5094/D5094M-09** Test Methods for Gross Leakage of Liquids from Containers with Threaded or Lug-Style Closures, **15.10**
- D5095-91(2013)** Test Method for Determination of the Nonvolatile Content in Silanes, Siloxanes and Silane-Siloxane Blends Used in Masonry Water Repellent Treatments, **06.02**
- D5096-02(2011)** Test Method for Determining the Performance of a Cup Anemometer or Propeller Anemometer, **11.07**
- D5097** *Withdrawn 2005; Test Method for Filter-Retained Solids Content of Polymer Latexes*
- D5098-05a(2010)** Specification for Artists' Acrylic Dispersion Paints, **06.02**
- D5099-08(2013)** Test Methods for Rubber—Measurement of Processing Properties Using Capillary Rheometry, **09.01**
- D5100/D5100M-95a(2010)<sup>1</sup>** Test Method for Adhesion of Mineral Aggregate to Hot Bitumen, **04.04**
- D5101-12** Test Method for Measuring the Filtration Compatibility of Soil-Geotextile Systems, **04.13**
- D5102-09** Test Methods for Unconfined Compressive Strength of Compacted Soil-Lime Mixtures, **04.08**
- D5103-07(2012)** Test Method for Length and Length Distribution of Manufactured Staple Fibers (Single-Fiber Test), **07.02**
- D5104** *Withdrawn 2009; Test Method for Shrinkage of Textile Fibers (Single-Fiber Test)*
- D5105-05(2011)** Practice for Performing Accelerated Outdoor Weathering of Pressure-Sensitive Tapes Using Concentrated Natural Sunlight, **15.10**
- D5106-13** Specification for Steel Slag Aggregates for Bituminous Paving Mixtures, **04.03**
- D5107-03(2013)** Practice for Preparatory Surface Cleaning of Architectural Sandstone, **06.02**
- D5108-90(2007)** Test Method for Organotin Release Rates of Antifouling Coating Systems in Sea Water, **06.02**
- D5109-12** Test Methods for Copper-Clad Thermosetting Laminates for Printed Wiring Boards, **10.02**
- D5110-98(2010)** Practice for Calibration of Ozone Monitors and Certification of Ozone Transfer Standards Using Ultraviolet Photometry, **11.07**
- D5111-12** Guide for Choosing Locations and Sampling Methods to Monitor Atmospheric Deposition at Non-Urban Locations, **11.07**
- D5112-98(2009)** Test Method for Vibration (Horizontal Linear Motion) Test of Products, **15.10**

- D5113-97(2011)<sup>e1</sup>** Test Method for Determining Adhesive Attack on Rigid Cellular Foam, **15.06**
- D5114-90(2010)** Test Method for Laboratory Froth Flotation of Coal in a Mechanical Cell, **05.06**
- D5115 Withdrawn 2011; Test Method for Collecting Gross Samples and Determining the Fuel Quality of RDF*
- D5116-10** Guide for Small-Scale Environmental Chamber Determinations of Organic Emissions from Indoor Materials/Products, **11.07**
- D5117-09** Test Method for Dye Penetration of Solid Fiberglass Reinforced Pultruded Stock, **08.03**
- D5118/D5118M-12** Practice for Fabrication of Fiberboard Shipping Boxes, **15.10**
- D5119 Withdrawn 2003; Test Method for Evaluation of Automotive Engine Oils in the CRC L-38 Spark-Ignition Engine*
- D5120 Withdrawn 2014; Test Method for Inhibition of Respiration in Microbial Cultures in the Activated Sludge Process*
- D5121-10** Practice for Preparation of Rock Slabs for Durability Testing, **04.08**
- D5122 Not Assigned*
- D5123 Not Assigned*
- D5124-96(2013)** Practice for Testing and Use of a Random Number Generator in Lumber and Wood Products Simulation, **04.10**
- D5125-10** Test Method for Viscosity of Paints and Related Materials by ISO Flow Cups, **06.01**
- D5126/D5126M-90(2010)<sup>e1</sup>** Guide for Comparison of Field Methods for Determining Hydraulic Conductivity in Vadose Zone, **04.08**
- D5127-13** Guide for Ultra-Pure Water Used in the Electronics and Semiconductor Industries, **11.01**
- D5128-14** Test Method for On-Line pH Measurement of Water of Low Conductivity, **11.01**
- D5129-95(2014)** Test Method for Open Channel Flow Measurement of Water Indirectly by Using Width Contractions, **11.01**
- D5130-95(2014)** Test Method for Open-Channel Flow Measurement of Water Indirectly by Slope-Area Method, **11.01**
- D5131-90(2007)** Guide for Record Keeping for Electrodialysis/Electrodialysis Reversal Systems, **11.02**
- D5132-11** Test Method for Horizontal Burning Rate of Polymeric Materials Used in Occupant Compartments of Motor Vehicles, **08.03**
- D5133-13** Test Method for Low Temperature, Low Shear Rate, Viscosity/Temperature Dependence of Lubricating Oils Using a Temperature-Scanning Technique, **05.02**
- D5134-98(2008)<sup>e1</sup>** Test Method for Detailed Analysis of Petroleum Naphthas through n-Nonane by Capillary Gas Chromatography, **05.02**
- D5135-07** Test Method for Analysis of Styrene by Capillary Gas Chromatography, **06.04**
- D5136-09(2013)** Specification for High Purity, **06.04**
- D5137-07(2013)** Specification for Hexyl Acetate, **06.04**
- D5138-11** Classification System and Basis for Specification for Liquid Crystal Polymers Molding and Extrusion Materials (LCP), **08.03**
- D5139-12** Specification for Sample Preparation for Qualification Testing of Coatings to be Used in Nuclear Power Plants, **06.02**
- D5140 Withdrawn 2004; Guide for Testing Polyurethane "Poured in Place" Thermal Break Materials*
- D5141-11** Test Method for Determining Filtering Efficiency and Flow Rate of the Filtration Component of a Sediment Retention Device, **04.13**
- D5142 Withdrawn 2010; Test Methods for Proximate Analysis of the Analysis Sample of Coal and Coke by Instrumental Procedures; Replaced by D7582*
- D5143-06(2010)<sup>e1</sup>** Test Method for Analysis of Nitroaromatic and Nitramine Explosive in Soil by High Performance Liquid Chromatography, **04.08**
- D5144-08<sup>e1</sup>** Guide for Use of Protective Coating Standards in Nuclear Power Plants, **06.02**
- D5145-09** Test Methods for Nonvolatile and Pigment Content of Electrocoat Baths, **06.01**
- D5146-10** Guide to Testing Solvent-Borne Architectural Coatings, **06.02**
- D5147/D5147M-14** Test Methods for Sampling and Testing Modified Bituminous Sheet Material, **04.04**
- D5148-10** Test Method for Centrifuge Kerosine Equivalent, **04.03**
- D5149-02(2008)** Test Method for Ozone in the Atmosphere: Continuous Measurement by Ethylene Chemiluminescence, **11.07**
- D5150-92(2013)** Test Method for Hiding Power of Architectural Paints Applied by Roller, **06.02**
- D5151-06(2011)** Test Method for Detection of Holes in Medical Gloves, **09.02**
- D5152 Withdrawn 1998; Practice for Water Extraction of Residual Solids from Degraded Plastics for Toxicity Testing*
- D5153-10** Test Method for Palladium in Molecular Sieve Catalyst by Atomic Absorption, **05.05**
- D5154-10** Test Method for Determining Activity and Selectivity of Fluid Catalytic Cracking (FCC) Catalysts by Microactivity Test, **05.05**
- D5155-10** Test Methods for Polyurethane Raw Materials: Determination of the Isocyanate Content of Aromatic Isocyanates, **08.03**
- D5156-02(2008)** Test Methods for Continuous Measurement of Ozone in Ambient, Workplace, and Indoor Atmospheres (Ultraviolet Absorption), **11.07**
- D5157-97(2008)** Guide for Statistical Evaluation of Indoor Air Quality Models, **11.07**
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- D5162-08** Practice for Discontinuity (Holiday) Testing of Nonconductive Protective Coating on Metallic Substrates, **06.02**
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- D5164-05(2011)** Specification for Propylene Glycol and Dipropylene Glycol, **06.04**
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- D5167-13** Practice for Melting of Hot-Applied Joint and Crack Sealant and Filler for Evaluation, **04.03**
- D5168-12** Practice for Fabrication and Closure of Triple-Wall Corrugated Fiberboard Containers, **15.10**
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- D5178-13** Test Method for Mar Resistance of Organic Coatings, **06.01**
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- D5194-13** Test Method for Trace Chloride in Liquid Aromatic Hydrocarbons, **06.04**
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- D5198-09** Practice for Nitric Acid Digestion of Solid Waste, **11.04**
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- D5205-10** Classification System and Basis for Specification for Polyetherimide (PEI) Materials, **08.03**
- D5206-13** Test Method for Windload Resistance of Rigid Plastic Siding, **08.03**
- D5207-09** Practice for Confirmation of 20-mm (50-W) and 125-mm (500-W) Test Flames for Small-Scale Burning Tests on Plastic Materials, **08.03**
- D5208-14** Practice for Fluorescent Ultraviolet (UV) Exposure of Photodegradable Plastics, **08.03**
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- D5211-12** Specification for Xylenes for, **06.04**
- D5212 Withdrawn 2004; Specification for High Load Rotational Confined Elastomeric Bearings for Bridges and Structures*
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- D5225-09** Test Method for Measuring Solution Viscosity of Polymers with a Differential Viscometer, **08.03**
- D5226-98(2010)<sup>1</sup>** Practice for Dissolving Polymer Materials, **08.03**
- D5227-13** Test Method for Measurement of Hexane Extractable Content of Polyolefins, **08.03**
- D5228-92(2010)** Test Method for Determination of Butane Working Capacity of Activated Carbon, **15.01**
- D5229/D5229M-14** Test Method for Moisture Absorption Properties and Equilibrium Conditioning of Polymer Matrix Composite Materials, **15.03**
- D5230-13** Test Method for Carbon Black—Automated Individual Pellet Hardness, **09.01**
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- D5235 Withdrawn 2006; Test Method for Microscopical Measurement of Dry Film Thickness of Coatings on Wood Products*
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- D5250-06(2011)** Specification for Poly(vinyl chloride) Gloves for Medical Application, **09.02**
- D5251 Withdrawn 2014; Practice for the Operation of the Tetrapod Walker Drum Tester*
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- D5255-01(2008)** Practice for Certification of Personnel Engaged in the Testing of Soil and Rock, **04.08**
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- D5257-11** Test Method for Dissolved Hexavalent Chromium in Water by Ion Chromatography, **11.01**
- D5258-02(2013)** Practice for Acid-Extraction of Elements from Sediments Using Closed Vessel Microwave Heating, **11.02**
- D5259-92(2012)** Test Method for Isolation and Enumeration of Enterococci from Water by the Membrane Filter Procedure, **11.02**
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- D5261-10** Test Method for Measuring Mass per Unit Area of Geotextiles, **04.13**
- D5262-07(2012)** Test Method for Evaluating the Unconfined Tension Creep and Creep Rupture Behavior of Geosynthetics, **04.13**
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- D5264-98(2011)** Practice for Abrasion Resistance of Printed Materials by the Sutherland Rub Tester, **15.10**
- D5265-09** Test Method for Bridge Impact Testing, **15.10**
- D5266-13** Practice for Estimating the Percentage of Wood Failure in Adhesive Bonded Joints, **15.06**
- D5267-97(2012)** Test Method for Determination of Extrudability of Cartridge Adhesives, **15.06**
- D5268-13** Specification for Topsoil Used for Landscaping Purposes, **04.08**
- D5269-96(2008)** Test Method for Determining Transmissivity of Nonleaky Confined Aquifers by the Theis Recovery Method, **04.08**
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- D5275-11** Test Method for Fuel Injector Shear Stability Test (FISST) for Polymer Containing Fluids, **05.02**
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- D5284-09** Test Method for Sequential Batch Extraction of Waste with Acidic Extraction Fluid, **11.04**
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- D5289-12** Test Method for Rubber Property—Vulcanization Using Rotorless Cure Meters, **09.01**
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- D5291-10** Test Methods for Instrumental Determination of Carbon, Hydrogen, and Nitrogen in Petroleum Products and Lubricants, **05.02**
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- D5293-10<sup>1</sup>** Test Method for Apparent Viscosity of Engine Oils and Base Stocks Between -5 and -35°C Using Cold-Cranking Simulator, **05.02**
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- D5295-00(2006)** Guide for Preparation of Concrete Surfaces for Adhered (Bonded) Membrane Waterproofing Systems, **04.04**
- D5296-11** Test Method for Molecular Weight Averages and Molecular Weight Distribution of Polystyrene by High Performance Size-Exclusion Chromatography, **08.03**
- D5297-95(2009)** Test Methods for Rubber Chemical Accelerator—Purity by



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- D5298-10** Test Method for Measurement of Soil Potential (Suction) Using Filter Paper, **04.08**
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- D5307 Withdrawn 2011; Test Method for Determination of Boiling Range Distribution of Crude Petroleum by Gas Chromatography*
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- D5310-10<sup>1</sup>** Test Method for Tar Acid Composition by Capillary Gas Chromatography, **06.04**
- D5311/D5311M-13** Test Method for Load Controlled Cyclic Triaxial Strength of Soil, **04.08**
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- D5315-04(2011)** Test Method for Determination of N-Methyl-Carbamoyloximes and N-Methylcarbamates in Water by Direct Aqueous Injection HPLC with Post-Column Derivatization, **11.02**
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- D5319-12** Specification for Glass-Fiber Reinforced Polyester Wall and Ceiling Panels, **08.03**
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- D5322-98(2009)** Practice for Laboratory Immersion Procedures for Evaluating the Chemical Resistance of Geosynthetics to Liquids, **04.13**
- D5323-92(2011)** Practice for Determination of 2 % Secant Modulus for Polyethylene Geomembranes, **04.13**
- D5324-10** Guide for Testing Water-Borne Architectural Coatings, **06.02**
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- D5330/D5330M-06(2012)** Specification for Pressure-Sensitive Tape for Packaging, Filament-Reinforced, **15.10**
- D5331-03(2009)<sup>1</sup>** Test Method for Evaluation of Mechanical Handling of Unitized Loads Secured with Stretch Wrap Films, **15.10**
- D5332 Withdrawn 2006; Test Method for Fiber Length and Length Distribution of Cotton Fibers*
- D5334-08** Test Method for Determination of Thermal Conductivity of Soil and Soft Rock by Thermal Needle Probe Procedure, **04.08**
- D5335-08** Test Method for Linear Coefficient of Thermal Expansion of Rock Using Bonded Electric Resistance Strain Gauges, **04.08**
- D5336-09** Specification for Polyphthalamide (PPA) Injection Molding Materials, **08.03**
- D5337-11** Practice for Flow Rate Adjustment of Personal Sampling Pumps, **11.07**
- D5338-11** Test Method for Determining Aerobic Biodegradation of Plastic Materials Under Controlled Composting Conditions, Incorporating Thermophilic Temperatures, **08.03**
- D5339 Withdrawn 2005; Practice for Quality Assurance Plan for Structural Steel Fabrication for Highway Structures*
- D5340-12** Test Method for Airport Pavement Condition Index Surveys, **04.03**
- D5341-99(2010)<sup>1</sup>** Test Method for Measuring Coke Reactivity Index (CRI) and Coke Strength After Reaction (CSR), **05.06**
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- D5343-06(2012)<sup>1</sup>** Guide for Evaluating Cleaning Performance of Ceramic Tile Cleaners, **15.04**
- D5344-99(2011)** Test Method for Extension Force of Partially Oriented Yarn, **07.02**
- D5345 Withdrawn 2000; Specification for Prediluted Aqueous Ethylene Glycol Base Low-Silicate Engine Coolant (50 Volume Percent Minimum) for Heavy-Duty Engines Requiring an Initial Charge of Supplemental Coolant Additive (SCA); Consolidated into D 4985*
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- D5355-95(2012)** Test Method for Specific Gravity of Oils and Liquid Fats, **15.04**
- D5356-10** Test Method for pH of Chrome Tanning Solutions, **15.04**
- D5357-03(2008)<sup>1</sup>** Test Method for Determination of Relative Crystallinity of Zeolite Sodium A by X-ray Diffraction, **05.05**
- D5358-93(2014)** Practice for Sampling with a Dipper or Pond Sampler, **11.04**
- D5359-98(2010)** Specification for Glass Cullet Recovered from Waste for Use in Manufacture of Glass Fiber, **11.04**
- D5360-09** Practice for Design and Construction of Bituminous Surface Treatments, **04.03**
- D5361/D5361M-14** Practice for Sampling Compacted Bituminous Mixtures for Laboratory Testing, **04.03**
- D5362-13** Test Method for Snagging Resistance of Fabrics (Bean Bag), **07.02**
- D5363-03(2008)** Specification for Anaerobic Single-Component Adhesives (AN), **15.06**
- D5364-08<sup>1</sup>** Guide for Design, Fabrication, and Erection of Fiberglass Reinforced (FRP) Plastic Chimney Liners with Coal-Fired Units, **08.03**
- D5365-12** Test Method for Long-Term Ring-Bending Strain of "Fiberglass" (Glass-Fiber-Reinforced Thermosetting-Resin) Pipe, **08.03**
- D5366-96(2011)** Test Method for Determining the Dynamic Performance of a Wind Vane, **11.07**
- D5367-08** Practice for Evaluating Coatings Applied Over Surfaces Treated With Inhibitors Used to Prevent Flash Rusting of Steel When Water or Water/Abrasive Blasted, **06.02**
- D5368 Withdrawn 2014; Test Methods for Gravimetric Determination of Total Solvent Extractable Content (TSEC) of Solid Waste Samples*
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- D5370-14** Specification for Pozzolanic Blended Materials in Construction Applications, **11.04**
- D5371 Not Assigned*
- D5372-04(2009)** Guide for Evaluation of Hydrocarbon Heat Transfer Fluids, **05.02**
- D5373-14** Test Methods for Determination of Carbon, Hydrogen and Nitrogen in Analysis Samples of Coal and Carbon in Analysis Samples of Coal and Coke, **05.06**
- D5374-13** Test Methods for Forced-Convection Laboratory Ovens for Evaluation of Electrical Insulation, **10.02**
- D5375/D5375M-98(2011)** Test Methods for Liner Removal at High Speeds from Pressure-Sensitive Label Stock, **15.10**
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- D5379/D5379M-12** Test Method for Shear Properties of Composite Materials by the V-Notched Beam Method, **15.03**
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- D5561 *Not Assigned*
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- D5586 Withdrawn 2010; Tables of Body Measurements for Women Aged 55 and Older (All Figure Types)*
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- D5608-10** Practices for Decontamination of Field Equipment Used at Low Level Radioactive Waste Sites, **04.08**
- D5609-94(2008)** Guide for Defining Boundary Conditions in Groundwater Flow Modeling, **04.08**
- D5610-94(2008)** Guide for Defining Initial Conditions in Groundwater Flow Modeling, **04.08**
- D5611-94(2008)** Guide for Conducting a Sensitivity Analysis for a Groundwater Flow Model Application, **04.08**
- D5612-94(2013)** Guide for Quality Planning and Field Implementation of a Water Quality Measurement Program, **11.01**
- D5613-94(2014)** Test Method for Open-Channel Measurement of Time of Travel Using Dye Tracers, **11.02**
- D5614-94(2014)** Test Method for Open Channel Flow Measurement of Water with Broad-Crested Weirs, **11.02**
- D5615-07<sup>1</sup>** Test Method for Operating Characteristics of Home Reverse Osmosis Devices, **11.02**
- D5616-04(2010)** Specification for Reclaimed Trichloroethylene, **15.05**
- D5617-04(2010)** Test Method for Multi-Axial Tension Test for Geosynthetics, **04.13**
- D5618-94(2011)** Test Method for Measurement of Barnacle Adhesion Strength in Shear, **06.02**
- D5619-00(2011)** Test Method for Comparing Metal Removal Fluids Using the Tapping Torque Test Machine, **05.02**
- D5620 Withdrawn 2010; Test Method for Evaluating Thin Film Fluid Lubricants in a Drain and Dry Mode Using a Pin and Vee Block Test Machine*
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- D5624-13** Practice for Determining the Transverse-Aggregate Spread Rate for Surface Treatment Applications, **04.03**
- D5625 Withdrawn 2009; Test Method for Measuring Length, Width, and Squareness of Sheeted Paper and Paper Products*
- D5626 Withdrawn 2011; Test Methods for U.S. Postal Service Optical Measurements for Small Areas*
- D5627-94(2009)<sup>1</sup>** Test Method for Water Extractable Residue from Particulate Ion-Exchange Resins, **11.02**
- D5628-10** Test Method for Impact Resistance of Flat, Rigid Plastic Specimens by Means of a Falling Dart (Tup or Falling Mass), **08.03**
- D5629-11** Test Method for Polyurethane Raw Materials: Determination of Acidity in Low-Acidity Aromatic Isocyanates and Polyurethane Prepolymers, **08.03**
- D5630-13** Test Method for Ash Content in Plastics, **08.03**
- D5631-11** Practice for Handling, Transportation, and Storage of Halon 1301, Bromotrifluoromethane (CF3Br), **15.05**
- D5632/D5632M-12<sup>1</sup>** Specification for Halon 1301, Bromotrifluoromethane (CF3Br), **15.05**
- D5633-04(2012)** Practice for Sampling with a Scoop, **11.04**
- D5634 Withdrawn 2010; Guide for Selection of Permanent and Durable Offset and Book Papers*
- D5635/D5635M-11** Test Method for Dynamic Puncture Resistance of Roofing Membrane Specimens, **04.04**
- D5636/D5636M-94(2011)<sup>1</sup>** Test Method for Low Temperature Unrolling of Felt or Sheet Roofing and Waterproofing Materials, **04.04**
- D5637-05(2012)** Test Method for Moisture Resistance of Electrical Insulating Varnishes, **10.02**
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- D5640-95(2014)** Guide for Selection of Weirs and Flumes for Open-Channel Flow Measurement of Water, **11.02**
- D5641-94(2011)** Practice for Geomembrane Seam Evaluation by Vacuum Chamber, **04.13**
- D5642-09** Test Method for Sealed Tube Chemical Compatibility Test, **10.02**
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- D5644-01(2013)** Test Methods for Rubber Compounding Materials—Determination of Particle Size Distribution of Recycled Vulcanizate Particulate Rubber, **09.01**
- D5645 Withdrawn 1999; Test Method for Determining Physical Properties of Inflatable Restraint Cushions; Replaced by D5807, D5822*
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- D5647-07(2012)** Guide for Measuring Hairiness of Yarns by the Photo-Electric Apparatus, **07.02**
- D5648-01(2014)** Test Method for Torque-Tension Relationship of Adhesives Used on Threaded Fasteners (Lubricity), **15.06**
- D5649-01(2008)** Test Method for Torque Strength of Adhesives Used on Threaded Fasteners, **15.06**
- D5650 Withdrawn 2010; Test Method for Resistance to Bending of Paper of Low Bending Stiffness (Taber-Type Tester in 0 to 10 Taber Stiffness Unit Configuration)*
- D5651-13** Test Method for Surface Bond Strength of Wood-Base Fiber and Particle Panel Materials, **04.10**
- D5652-95(2013)** Test Methods for Bolted Connections in Wood and Wood-Based Products, **04.10**
- D5653 Withdrawn 2006; Specification for Copper Dimethyldithiocarbamate*
- D5654 Withdrawn 2006; Specification for Ammoniacal Copper Quat Type B (ACQ-B)*
- D5655 Withdrawn 2006; Test Method of Analysis of Copper Dimethyldithiocarbamate (CDDC) Treated Wood by Colorimetry*
- D5656-10** Test Method for Thick-Adherend Metal Lap-Shear Joints for Determination of the Stress-Strain Behavior of Adhesives in Shear by Tension Loading, **15.06**
- D5657-07(2014)** Test Method for Fluid Tightness Ability of Adhesives Used on Threaded Fasteners, **15.06**
- D5658-13** Practice for Sampling Unconsolidated Waste From Trucks, **11.04**
- D5659-95(2006)** Test Method for Chlorophenoxy Acid Herbicides in Waste Using HPLC, **11.04**
- D5660 Withdrawn 2014; Test Method for Assessing the Microbial Detoxification of Chemically Contaminated Water and Soil Using a Toxicity Test with a Luminescent Marine Bacterium*
- D5661 Withdrawn 2010; Test Method for Relative Solvency of Petroleum Oils by the PKP Method*
- D5662-13** Test Method for Determining Automotive Gear Oil Compatibility with Typical Oil Seal Elastomers, **05.02**
- D5663-97(2011)** Guide for Validating Recycled Content in Packaging Paper and Paperboard, **15.10**
- D5664-10** Test Method for Evaluating the Effects of Fire-Retardant Treatments and Elevated Temperatures on Strength Properties of Fire-Retardant Treated Lumber, **04.10**
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- D5666-95(2009)** Test Method for Rubber Chemical Antidegradants—Purity of, **09.01**
- D5667-95(2010)** Test Method for Rubber From Synthetic Sources—Total and Water Soluble Ash, **09.01**
- D5668-09** Test Methods for Rubber From Synthetic Sources—Volatile Matter, **09.01**
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- D5671-95(2011)** Practice for Polishing and Etching Coal Samples for Microscopical Analysis by Reflected Light, **05.06**
- D5672-09** Test Method for Testing Flexible Cellular Materials Measurement of Indentation Force Deflection Using a 25-mm (1-in.) Deflection Technique, **08.03**
- D5673-10** Test Method for Elements in Water by Inductively Coupled Plasma—Mass Spectrometry, **11.02**
- D5674-95(2014)** Guide for Operation of a Gaging Station, **11.02**
- D5675-13** Classification for Low Molecular Weight PTFE and FEP Micronized Powders, **08.03**
- D5676 Withdrawn 2004 Specification for Recycled Polystyrene Molding and Extrusion Materials*
- D5677-05(2010)** Specification for Fiberglass (Glass-Fiber-Reinforced Thermosetting-Resin) Pipe and Pipe Fittings, Adhesive Bonded Joint Type, for Aviation Jet Turbine Fuel Lines, **08.03**
- D5678-95(2008)** Test Method for Freeze/Thaw Resistance of Wax Emulsion Floor Polish, **15.04**
- D5679-95a(2012)** Practice for Sampling Consolidated Solids in Drums or Similar Containers, **11.04**
- D5680-14** Practice for Sampling Unconsolidated Solids in Drums or Similar Containers, **11.04**
- D5681-13** Terminology for Waste and Waste Management, **11.04**
- D5682-08(2012)** Test Methods for Electrical Resistivity of Liquid Paint and Related Materials, **06.01**
- D5683/D5683M-95(2011)<sup>1</sup>** Test Method for Flexibility of Roofing and Waterproofing Materials and Membranes, **04.04**
- D5684-12** Terminology Relating to Pile Floor Coverings, **07.02**
- D5685-11** Specification for “Fiberglass” (Glass-Fiber-Reinforced Thermosetting-Resin) Pressure Pipe Fittings, **08.03**
- D5686 Withdrawn 2002; Specification for “Fiberglass”(Glass-Fiber-Reinforced Thermosetting-Resin) Pipe and Pipe Fittings, Adhesive Bonded Joint Type Epoxy Resin, for Condensate Return Lines*
- D5687/D5687M-95(2007)** Guide for Preparation of Flat Composite Panels with Processing Guidelines for Specimen Preparation, **15.03**
- D5688 Not Assigned*
- D5689 Not Assigned*
- D5690 Not Assigned*
- D5691 Not Assigned*
- D5692 Not Assigned*
- D5693 Not Assigned*
- D5694 Not Assigned*
- D5695 Not Assigned*
- D5696 Not Assigned*
- D5697 Not Assigned*
- D5698 Not Assigned*
- D5699 Not Assigned*
- D5700 Not Assigned*
- D5701 Not Assigned*
- D5702-07(2012)** Practice for Field Sampling of Coating Films for Analysis for Heavy Metals, **06.02**
- D5703-95(2013)** Practice for Preparatory Surface Cleaning for Clay Brick Masonry, **06.02**
- D5704-13a** Test Method for Evaluation of the Thermal and Oxidative Stability of Lubricating Oils Used for Manual Transmissions and Final Drive Axles, **05.02**
- D5705-14** Test Method for Measurement of Hydrogen Sulfide in the Vapor Phase Above Residual Fuel Oils, **05.02**
- D5706-11** Test Method for Determining Extreme Pressure Properties of Lubricating Greases Using a High-Frequency, Linear-Oscillation (SRV) Test Machine, **05.02**
- D5707-11** Test Method for Measuring Friction and Wear Properties of Lubricating Grease Using a High-Frequency, Linear-Oscillation (SRV) Test Machine, **05.02**
- D5708-12** Test Methods for Determination of Nickel, Vanadium, and Iron in Crude Oils and Residual Fuels by Inductively Coupled Plasma (ICP) Atomic Emission Spectrometry, **05.02**
- D5709-09** Test Method for Sieve Analysis of Petroleum Coke, **05.02**
- D5710/D5710M-13** Specification for Trinidad Lake Modified Asphalt, **04.03**
- D5711 Withdrawn 2011; Test Method for Determining the Adherent Coating on Coarse Aggregates*
- D5712-10** Test Method for Analysis of Aqueous Extractable Protein in Natural Rubber and Its Products Using the Modified Lowry Method, **09.02**
- D5713-09** Test Method for Analysis of High Purity Benzene for Cyclohexane Feedstock by Capillary Gas Chromatography, **06.04**
- D5714 Withdrawn 2011; Specification for Content of Digital Geospatial Metadata*
- D5715-00(2006)** Test Method for Estimating the Degree of Humification of Peat and Other Organic Soils (Visual/Manual Method), **04.08**
- D5716-95(2006)** Test Method for Measuring the Rate of Well Discharge by Circular Orifice Weir, **04.08**
- D5717 Withdrawn 2005; Guide for Design of Ground-Water Monitoring Systems in Karst and Fractured-Rock Aquifers*
- D5718-13** Guide for Documenting a Groundwater Flow Model Application, **04.08**
- D5719-13** Guide for Simulation of Subsurface Airflow Using Groundwater Flow Modeling Codes, **04.08**
- D5720-95(2009)** Practice for Static Calibration of Electronic Transducer-Based Pressure Measurement Systems for Geotechnical Purposes, **04.08**
- D5721-08(2013)** Practice for Air-Oven Aging of Polyolefin Geomembranes, **04.13**
- D5722-08** Practice for Performing Accelerated Outdoor Weathering of Factory-Coated Embossed Hardboard Using Concentrated Natural Sunlight and a Soak-Freezing-Thaw Procedure, **06.01**
- D5723-95(2010)** Practice for Determination of Chromium Treatment Weight on Metal Substrates by X-Ray Fluorescence, **06.02**
- D5724-06(2010)** Specification for Gouache Paints, **06.02**
- D5725 Withdrawn 2010; Test Method for Surface Wettability and Absorbency of Sheeted Materials Using an Automated Contact Angle Tester*
- D5726-98(2013)** Specification for Thermoplastic Fabrics Used in Hot-Applied Roofing and Waterproofing, **04.04**
- D5727/D5727M-00(2011)<sup>1</sup>** Specification for Emulsified Refined Coal Tar (Mineral Colloid Type), **04.04**
- D5728-12** Practices for Securement of Cargo in Intermodal and Unimodal Surface Transport, **15.10**
- D5729 Withdrawn 2008; Test Method for Thickness of Nonwoven Fabrics*
- D5730 Withdrawn 2013; Guide for Site Characterization for Environmental Purposes With Emphasis on Soil, Rock, the Vadose Zone and Groundwater*
- D5731-08** Test Method for Determination of the Point Load Strength Index of Rock and Application to Rock Strength Classifications, **04.08**
- D5732 Withdrawn 2008; Test Method for Stiffness of Nonwoven Fabrics Using the Cantilever Test*
- D5733 Withdrawn 2008; Test Method for Tearing Strength of Nonwoven Fabrics by the Trapezoid Procedure*
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- D5738-95(2006)** Guide for Displaying the Results of Chemical Analyses of Ground Water for Major Ions and Trace Elements—Diagrams for Single Analyses, **04.08**
- D5739-06(2013)** Practice for Oil Spill Source Identification by Gas Chromatography and Positive Ion Electron Impact Low Resolution Mass Spectrometry, **11.02**

- D5740-11** Guide for Writing Material Standards in the Classification, **08.03**
- D5741-96(2011)** Practice for Characterizing Surface Wind Using a Wind Vane and Rotating Anemometer, **11.07**
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- D5743-97(2013)** Practice for Sampling Single or Multilayered Liquids, With or Without Solids, in Drums or Similar Containers, **11.04**
- D5744-13<sup>-1</sup>** Test Method for Laboratory Weathering of Solid Materials Using a Humidity Cell, **11.04**
- D5745-09** Guide for Developing and Implementing Short-Term Measures or Early Actions for Site Remediation, **11.04**
- D5746-98(2012)** Classification of Environmental Condition of Property Area Types for Defense Base Closure and Realignment Facilities, **11.05**
- D5747/D5747M-08(2013)<sup>-1</sup>** Practice for Tests to Evaluate the Chemical Resistance of Geomembranes to Liquids, **04.13**
- D5748-95(2012)** Test Method for Protrusion Puncture Resistance of Stretch Wrap Film, **15.10**
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- D5750/D5750M-95(2012)** Guide for Width and Length of Pressure-Sensitive Tape, **15.10**
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- D5753-05(2010)** Guide for Planning and Conducting Borehole Geophysical Logging, **04.08**
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- D5755-09(2014)<sup>-1</sup>** Test Method for Microvacuum Sampling and Indirect Analysis of Dust by Transmission Electron Microscopy for Asbestos Structure Number Surface Loading, **11.07**
- D5756-02(2008)** Test Method for Microvacuum Sampling and Indirect Analysis of Dust by Transmission Electron Microscopy for Asbestos Mass Surface Loading, **11.07**
- D5757-11** Test Method for Determination of Attrition of FCC Catalysts by Air Jets, **05.05**
- D5758-01(2011)<sup>-1</sup>** Test Method for Determination of Relative Crystallinity of Zeolite ZSM-5 by X-Ray Diffraction, **05.05**
- D5759-12** Guide for Characterization of Coal Fly Ash and Clean Coal Combustion Fly Ash for Potential Uses, **11.04**
- D5760-13** Specification for Performance of Manual Transmission Gear Lubricants, **05.02**
- D5761-96(2012)** Practice for Emulsification/Suspension of Multiphase Fluid Waste Materials, **05.02**
- D5762-12** Test Method for Nitrogen in Petroleum and Petroleum Products by Boat-Inlet Chemiluminescence, **05.02**
- D5763-11** Test Method for Oxidation and Thermal Stability Characteristics of Gear Oils Using Universal Glassware, **05.02**
- D5764-97a(2013)** Test Method for Evaluating Dowel-Bearing Strength of Wood and Wood-Based Products, **04.10**
- D5765-05(2010)** Practice for Solvent Extraction of Total Petroleum Hydrocarbons from Soils and Sediments Using Closed Vessel Microwave Heating, **11.02**
- D5766/D5766M-11** Test Method for Open-Hole Tensile Strength of Polymer Matrix Composite Laminates, **15.03**
- D5767-05(2012)** Test Methods for Instrumental Measurement of Distinctness-of-Image Gloss of Coating Surfaces, **06.01**
- D5768-02(2010)** Test Method for Determination of Iodine Value of Tall Oil Fatty Acids, **06.03**
- D5769-10** Test Method for Determination of Benzene, Toluene, and Total Aromatics in Finished Gasolines by Gas Chromatography/Mass Spectrometry, **05.02**
- D5770-11** Test Method for Semiquantitative Micro Determination of Acid Number of Lubricating Oils During Oxidation Testing, **05.02**
- D5771-12** Test Method for Cloud Point of Petroleum Products (Optical Detection Stepped Cooling Method), **05.02**
- D5772-10** Test Method for Cloud Point of Petroleum Products (Linear Cooling Rate Method), **05.02**
- D5773-10** Test Method for Cloud Point of Petroleum Products (Constant Cooling Rate Method), **05.02**
- D5774-95(2009)** Test Methods for Rubber—Chemical Analysis of Extractables, **09.01**
- D5775-95(2009)<sup>-1</sup>** Test Method for Rubber—Determination of Bound Styrene in Styrene Butadiene Rubber by Refractive Index, **09.01**
- D5776-13** Test Method for Bromine Index of Aromatic Hydrocarbons by Electrometric Titration, **06.04**
- D5777-00(2011)<sup>-1</sup>** Guide for Using the Seismic Refraction Method for Subsurface Investigation, **04.08**
- D5778-12** Test Method for Electronic Friction Cone and Piezocone Penetration Testing of Soils, **04.08**
- D5779/D5779M-14** Test Method for Field Determination of Rapid Specific Gravity of Rock and Manmade Materials for Erosion Control, **04.08**
- D5780-10** Test Methods for Individual Piles in Permafrost Under Static Axial Compressive Load, **04.08**
- D5781/D5781M-13** Guide for Use of Dual-Wall Reverse-Circulation Drilling for Geoenvironmental Exploration and the Installation of Subsurface Water-Quality Monitoring Devices, **04.08**
- D5782-95(2012)** Guide for Use of Direct Air-Rotary Drilling for Geoenvironmental Exploration and the Installation of Subsurface Water-Quality Monitoring Devices, **04.08**
- D5783-95(2012)** Guide for Use of Direct Rotary Drilling with Water-Based Drilling Fluid for Geoenvironmental Exploration and the Installation of Subsurface Water-Quality Monitoring Devices, **04.08**
- D5784/D5784M-13** Guide for Use of Hollow-Stem Augers for Geoenvironmental Exploration and the Installation of Subsurface Water-Quality Monitoring Devices, **04.08**
- D5785-95(2013)** Test Method for (Analytical Procedure) for Determining Transmissivity of Confined Nonleaky Aquifers by Underdamped Well Response to Instantaneous Change in Head (Slug Test), **04.08**
- D5786-95(2012)** Practice for (Field Procedure) for Constant Drawdown Tests in Flowing Wells for Determining Hydraulic Properties of Aquifer Systems, **04.08**
- D5787-95(2009)** Practice for Monitoring Well Protection, **04.08**
- D5788-95(2011)** Guide for Spiking Organics into Aqueous Samples, **11.02**
- D5789 Withdrawn 2002; Practice for Writing Quality Control Specifications for Standard Test Methods for Organic Constituents; Replaced by D5847*
- D5790-95(2012)** Test Method for Measurement of Purgeable Organic Compounds in Water by Capillary Column Gas Chromatography/Mass Spectrometry, **11.02**
- D5791-95(2012)<sup>-1</sup>** Guide for Using Probability Sampling Methods in Studies of Indoor Air Quality in Buildings, **11.07**
- D5792-10** Practice for Generation of Environmental Data Related to Waste Management Activities: Development of Data Quality Objectives, **11.04**
- D5793-13** Test Method for Binding Sites per Unit Length or Width of Pile Yarn Floor Coverings, **07.02**
- D5794-95(2008)** Guide for Determination of Anions in Cathodic Electrocoat Permeates by Ion Chromatography, **06.01**
- D5795-95(2008)** Test Method for Determination of Liquid Water Absorption of Coated Hardboard and Other Composite Wood Products Via Cobb Ring Apparatus, **06.02**
- D5796-10** Test Method for Measurement of Dry Film Thickness of Thin-Film Coil-Coated Systems by Destructive Means Using a Boring Device, **06.02**
- D5797-13** Specification for Fuel Methanol (M70-M85) for Automotive Spark-Ignition Engines, **05.02**
- D5798-13a** Specification for Ethanol Fuel Blends for Flexible-Fuel Automotive Spark-Ignition Engines, **05.02**
- D5799-95(2009)** Test Method for Determination of Peroxides in Butadiene, **05.02**
- D5800-10** Test Method for Evaporation Loss of Lubricating Oils by the Noack Method, **05.02**
- D5801-12** Test Method for Toughness and Tenacity of Bituminous Materials, **04.03**
- D5802 Withdrawn 2009; Test Method for Sorption of Bibulous Paper Products (Sorptive Rate and Capacity Using Gravimetric Principles)*
- D5803 Withdrawn 2009; Test Method for Tensile Strength at Zero-Span ("Wet Zero-Span Tensile")*
- D5804 Withdrawn 2009; Test Methods for Zero-Span Tensile Strength ("Dry Zero-Span Tensile")*
- D5805-00(2009)** Test Methods for Rubber—Determination of Carbon Black in Masterbatches, **09.01**
- D5806-95(2009)** Test Method for Disinfectant Quaternary Ammonium Salts by Potentiometric Titration, **15.04**
- D5807-08(2013)** Practice for Evaluating the Overpressurization Characteristics of Inflatable Restraint Cushions, **07.02**
- D5808-09a** Test Method for Determining Chloride in Aromatic Hydrocarbons and Related Chemicals by Microcoulometry, **06.04**
- D5810-96(2011)** Guide for Spiking into Aqueous Samples, **11.01**
- D5811-08(2013)** Test Method for Strontium-90 in Water, **11.02**
- D5812 Withdrawn 2011; Test Method for Determination of Organochlorine Pesticides in Water by Capillary Column Gas Chromatography*
- D5813-04(2012)** Specification for Cured-In-Place Thermosetting Resin Sewer Piping Systems, **08.03**
- D5814-10** Practice for Determination of Contamination in Recycled Poly(Ethylene Terephthalate) (PET) Flakes and Chips Using a Plaque Test, **08.03**
- D5815 Withdrawn 2009; Test Method for Determination of Phenolic Antioxidants and Erucamide Slip Additives in Linear Low-Density Polyethylene Using Liquid Chromatography (LC); Replaced by D6953*
- D5816 Withdrawn 2000; Test Methods for Carbon Black—External Surface Area by Multipoint Nitrogen Adsorption; Replaced by D6556*
- D5817-03a(2008)** Practice for Carbon Black, Pelleted—Reduction, Blending, and Drying of Gross Samples for Testing, **09.01**
- D5818-11** Practice for Exposure and Retrieval of Samples to Evaluate Installation Damage of Geosynthetics, **04.13**
- D5819-05(2012)** Guide for Selecting Test Methods for Experimental Evaluation of Geosynthetic Durability, **04.13**
- D5820-95(2011)** Practice for Pressurized Air Channel Evaluation of Dual Seamed Geomembranes, **04.13**
- D5821-13** Test Method for Determining the Percentage of Fractured Particles in Coarse Aggregate, **04.03**
- D5822-13** Test Method for Determining Seam Strength in Inflatable Restraint Cushions, **07.02**
- D5823-13** Test Method for Tuft Height of Pile Floor Coverings, **07.02**
- D5824-98(2011)** Test Method for Determining Resistance to Delamination of Adhesive Bonds in Overlay-Wood Core Laminates Exposed to Heat and Water, **15.06**
- D5825 Not Assigned*

- D5826 Withdrawn 2009; Tables of Body Measurements for Children, Sizes 2 to 6x/7*
- D5827-09<sup>1</sup>** Test Method for Analysis of Engine Coolant for Chloride and Other Anions by Ion Chromatography, **15.05**
- D5828-97(2011)<sup>1</sup>** Test Method for Compatibility of Supplemental Coolant Additives (SCAs) and Engine Coolant Concentrates, **15.05**
- D5829-96(2007)** Guide for Preparing a Training Program for Environmental Analytical Laboratories, **11.04**
- D5830-14** Test Method for Solvents Analysis in Hazardous Waste Using Gas Chromatography, **11.04**
- D5831-09** Test Method for Screening Fuels in Soils, **11.04**
- D5832-98(2008)** Test Method for Volatile Matter Content of Activated Carbon Samples, **15.01**
- D5833-12** Guide for Source Reduction Reuse, Recycling, or Disposal of Steel Cans, **15.10**
- D5834 Withdrawn 2003; Guide for Source Reduction Reuse, Recycling, and Disposal of Solid and Corrugated Fiberboard (Cardboard)*
- D5835-95(2013)** Practice for Sampling Stationary Source Emissions for the Automated Determination of Gas Concentrations, **11.07**
- D5836-08(2013)** Test Method for Determination of 2,4-Toluene Diisocyanate (2,4-TDI) and 2,6-Toluene Diisocyanate (2,6-TDI) in Workplace Atmospheres (1-2 PP Method), **11.07**
- D5837-12** Test Method for Furanic Compounds in Electrical Insulating Liquids by High-Performance Liquid Chromatography (HPLC), **10.03**
- D5838 Not Assigned*
- D5839-96(2006)** Test Method for Trace Element Analysis of Hazardous Waste Fuel by Energy-Dispersive X-Ray Fluorescence Spectrometry, **11.04**
- D5840 Withdrawn 2005; Specification for Type II Polymer Modified Asphalt Cement for Use in Pavement Construction*
- D5841 Withdrawn 2005; Specification for Type III Polymer Modified Asphalt Cement for Use in Pavement Construction*
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- D5848-10<sup>1</sup>** Test Method for Mass Per Unit Area of Pile Yarn Floor Coverings, **07.02**
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- D5868-01(2014)** Test Method for Lap Shear Adhesion for Fiber Reinforced Plastic (FRP) Bonding, **15.06**
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- D5931-13** Test Method for Density and Relative Density of Engine Coolant Concentrates and Aqueous Engine Coolants by Digital Density Meter, **15.05**
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- D5947-11** Test Methods for Physical Dimensions of Solid Plastics Specimens, **08.03**
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- D5959-12** Test Method for Bulk Density of Level Paintbrush Filaments, **06.02**
- D5960-03(2013)** Specification for Technical Grade Ethylene Dichloride, **15.05**
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- D5970-09** Test Method for Deterioration of Geotextiles from Outdoor Exposure, **04.13**
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- D5988-12** Test Method for Determining Aerobic Biodegradation of Plastic Materials in Soil, **08.03**
- D5989-11** Specification for Extruded and Monomer Cast Shapes Made from Nylon (PA), **08.03**
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- D6001-05(2012)** Guide for Direct-Push Groundwater Sampling for Environmental Site Characterization, **04.09**  
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- D6007-02(2008)** Test Method for Determining Formaldehyde Concentrations in Air from Wood Products Using a Small-Scale Chamber, **04.10**
- D6008-96(2014)** Practice for Conducting Environmental Baseline Surveys, **11.05**
- D6009-12** Guide for Sampling Waste Piles, **11.04**
- D6010-12** Practice for Closed Vessel Microwave Solvent Extraction of Organic Compounds from Solid Matrices, **11.04**
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- D6012-03(2013)** Test Method for Determination of Resistance of Leather to (Bleeding) Color Stain Transfer, **15.04**
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- D6022-06(2012)** Practice for Calculation of Permanent Shear Stability Index, **05.02**
- D6023-07** Test Method for Density (Unit Weight), Yield, Cement Content, and Air Content (Gravimetric) of Controlled Low-Strength Material (CLSM), **04.09**
- D6024-07** Test Method for Ball Drop on Controlled Low Strength Material (CLSM) to Determine Suitability for Load Application, **04.09**
- D6025-96(2008)** Guide for Developing and Evaluating Ground-Water Modeling Codes, **04.09**
- D6026-13** Practice for Using Significant Digits in Geotechnical Data, **04.09**  
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- D6031/D6031M-96(2010)\*<sup>1</sup>** Test Method for Logging In Situ Moisture Content and Density of Soil and Rock by the Nuclear Method in Horizontal, Slanted, and Vertical Access Tubes, **04.09**
- D6032-08** Test Method for Determining Rock Quality Designation (RQD) of Rock Core, **04.09**
- D6033-96(2008)** Guide for Describing the Functionality of a Ground-Water Modeling Code, **04.09**
- D6034-96(2010)\*<sup>1</sup>** Test Method (Analytical Procedure) for Determining the Efficiency of a Production Well in a Confined Aquifer from a Constant Rate Pumping Test, **04.09**
- D6035/D6035M-13** Test Method for Determining the Effect of Freeze-Thaw on Hydraulic Conductivity of Compacted or Intact Soil Specimens Using a Flexible Wall Permeameter, **04.09**
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- D6037-13\*<sup>1</sup>** Test Methods for Dry Abrasion Mar Resistance of High Gloss Coatings, **06.01**
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- D6039/D6039M-11** Specification for Open and Covered Wood Crates, **15.10**
- D6040-12** Guide to Standard Test Methods for Unsintered Polytetrafluoroethylene (PTFE) Extruded Film or Tape, **08.03**
- D6041-11** Specification for Contact-Molded “Fiberglass” (Glass-Fiber-Reinforced Thermosetting Resin) Corrosion Resistant Pipe and Fittings, **08.03**
- D6042-09** Test Method for Determination of Phenolic Antioxidants and Erucamide Slip Additives in Polypropylene Homopolymer Formulations Using Liquid Chromatography (LC), **08.03**  
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- D6044-96(2009)** Guide for Representative Sampling for Management of Waste and Contaminated Media, **11.04**
- D6045-12** Test Method for Color of Petroleum Products by the Automatic Tristimulus Method, **05.02**
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- D6049-03(2013)** Test Method for Rubber Property—Measurement of the Viscous and Elastic Behavior of Unvulcanized Raw Rubbers and Rubber Compounds by Compression Between Parallel Plates, **09.01**
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- D6051-96(2006)** Guide for Composite Sampling and Field Subsampling for Environmental Waste Management Activities, **11.04**
- D6052-97(2008)** Test Method for Preparation and Elemental Analysis of Liquid Hazardous Waste by Energy-Dispersive X-Ray Fluorescence, **11.04**
- D6053-08** Test Method for Determination of Volatile Organic Compound (VOC) Content of Electrical Insulating Varnishes, **10.02**  
*D6054 Withdrawn 2012; Practice for Conditioning Electrical Insulating Materials for Testing*
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- D6056-96(2011)** Test Method for Determining Concentration of Airborne Single-Crystal Ceramic Whiskers in the Workplace Environment by Transmission Electron Microscopy, **11.07**
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- D6060-96(2009)** Practice for Sampling of Process Vents with a Portable Gas Chromatograph, **11.07**
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- D6062-07(2012)** Guide for Personal Samplers of Health-Related Aerosol Fractions, **11.07**
- D6063-11** Guide for Sampling of Drums and Similar Containers by Field Personnel, **11.04**
- D6064-11** Specification for HFC-227ea, 1,1,1,2,3,3,3-Heptafluoropropane (CF<sub>3</sub>CHFCF<sub>3</sub>), **15.05**
- D6065-11** Practice for Handling, Transportation, and Storage of HFC-227ea 1,1,1,2,3,3,3-Heptafluoropropane (CF<sub>3</sub>CHFCF<sub>3</sub>), **15.05**
- D6066-11** Practice for Determining the Normalized Penetration Resistance of Sands for Evaluation of Liquefaction Potential, **04.09**
- D6067-10** Practice for Using the Electronic Piezocone Penetrometer Tests for Environmental Site Characterization, **04.09**
- D6068-10** Test Method for Determining J-R Curves of Plastic Materials, **08.03**
- D6069-01(2006)** Test Method for Trace Nitrogen in Aromatic Hydrocarbons by Oxidative Combustion and Reduced Pressure Chemiluminescence Detection, **06.04**
- D6070-02(2010)** Test Methods for Physical Properties of Smooth-Wall, Coilable, Polyethylene (PE) Conduit (Duct) for Preassembled Wire and Cable, **08.04**
- D6071-13** Test Method for Low Level Sodium in High Purity Water by Graphite Furnace Atomic Absorption Spectroscopy, **11.01**
- D6072/D6072M-09** Practice for Obtaining Samples of Geosynthetic Clay Liners, **04.13**
- D6073-08a(2013)** Test Method for Relative Setting of Heatset Printing Inks, **06.02**
- D6074-08** Guide for Characterizing Hydrocarbon Lubricant Base Oils, **05.02**
- D6075-13** Test Method for Cracking Resistance of Leather, **15.04**
- D6076-08(2013)** Test Method for Shrinkage Temperature of Leather, **15.04**
- D6077-10** Test Method for Trapezoid Tearing Strength of Leather, **15.04**
- D6078-04(2010)** Test Method for Evaluating Lubricity of Diesel Fuels by the Scuffing Load Ball-on-Cylinder Lubricity Evaluator (SLBOCLE), **05.02**
- D6079-11** Test Method for Evaluating Lubricity of Diesel Fuels by the High-Frequency Reciprocating Rig (HFRR), **05.02**
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- D6081-98(2009)** Practice for Aquatic Toxicity Testing of Lubricants: Sample Preparation and Results Interpretation, **05.02**
- D6082-12** Test Method for High Temperature Foaming Characteristics of Lubricating Oils, **05.02**

- D6083-05<sup>-1</sup>** Specification for Liquid Applied Acrylic Coating Used in Roofing, **04.04**
- D6084/D6084M-13** Test Method for Elastic Recovery of Asphalt Materials by Durometer, **04.03**
- D6085-97(2011)** Practice for Sampling in Rubber Testing—Terminology and Basic Concepts, **09.01**
- D6086-09a** Test Method for Carbon Black—Void Volume (VV), **09.01**
- D6087-08** Test Method for Evaluating Asphalt-Covered Concrete Bridge Decks Using Ground Penetrating Radar, **04.03**
- D6088-06(2011)** Practice for Installation of Geocomposite Pavement Drains, **04.13**
- D6089-97(2010)** Guide for Documenting a Ground-Water Sampling Event, **04.09**
- D6090-12** Test Method for Softening Point Resins (Mettler Cup and Ball Method), **06.03**
- D6091-07(2014)** Practice for 99%/95% Interlaboratory Detection Estimate (IDE) for Analytical Methods with Negligible Calibration Error, **11.01**
- D6092-97(2008)** Practice for Specifying Standard Sizes of Stone for Erosion Control, **04.09**
- D6093-97(2011)** Test Method for Percent Volume Nonvolatile Matter in Clear or Pigmented Coatings Using a Helium Gas Pycnometer, **06.01**
- D6094 Withdrawn 2008; Guide to Assess the Compostability of Environmentally Degradable Nonwoven Fabrics*
- D6095-12** Test Method for Longitudinal Measurement of Volume Resistivity for Extruded Crosslinked and Thermoplastic Semiconducting Conductor and Insulation Shielding Materials, **10.02**
- D6096-11** Specification for Poly(Vinyl Chloride) Insulation for Wire and Cable, 90°C Operation, **10.02**
- D6097-01a(2008)<sup>-1</sup>** Test Method for Relative Resistance to Vented Water-Tree Growth in Solid Dielectric Insulating Materials, **10.02**
- D6098-10** Specification for Extruded and Compression Molded Shapes Made from Polycarbonate (PC), **08.03**
- D6099-13** Test Method for Polyurethane Raw Materials: Determination of Acidity in Moderate to High Acidity Aromatic Isocyanates, **08.03**
- D6100-11** Specification for Extruded, Compression Molded and Injection Molded Polyoxymethylene Shapes (POM), **08.03**
- D6101 Withdrawn 2010; Test Method for Equivalent Black Area (EBA) of Dirt in Pulp, Paper and Paperboard by Image Analysis*
- D6102-12** Guide for Installation of Geosynthetic Clay Liners, **04.13**
- D6103 Withdrawn 2013; Test Method for Flow Consistency of Controlled Low Strength Material (CLSM)*
- D6104-97(2011)** Practice for Determining the Performance of Oil/Water Separators Subjected to Surface Run-Off, **11.02**
- D6105-04(2012)** Practice for Application of Electrical Discharge Surface Treatment (Activation) of Plastics for Adhesive Bonding, **15.06**
- D6106-97(2010)** Guide for Establishing Nomenclature of Ground-Water Aquifers, **04.09**
- D6107-97(2012)** Specification for Stop-Leak Additive for Engine Coolants Used in Light Duty Service, **15.05**
- D6108-13** Test Method for Compressive Properties of Plastic Lumber and Shapes, **08.03**
- D6109-13** Test Methods for Flexural Properties of Unreinforced and Reinforced Plastic Lumber and Related Products, **08.03**
- D6110-10** Test Method for Determining the Charpy Impact Resistance of Notched Specimens of Plastics, **08.03**
- D6111-13a** Test Method for Bulk Density And Specific Gravity of Plastic Lumber and Shapes by Displacement, **08.03**
- D6112-13** Test Methods for Compressive and Flexural Creep and Creep-Rupture of Plastic Lumber and Shapes, **08.03**
- D6113-11** Test Method for Using a Cone Calorimeter to Determine Fire-Test-Response Characteristics of Insulating Materials Contained in Electrical or Optical Fiber Cables, **10.02**
- D6114/D6114M-09** Specification for Asphalt-Rubber Binder, **04.03**
- D6115-97(2011)** Test Method for Mode I Fatigue Delamination Growth Onset of Unidirectional Fiber-Reinforced Polymer Matrix Composites, **15.03**
- D6116-00(2010)** Test Method for Blocking, **15.04**
- D6117-13** Test Methods for Mechanical Fasteners in Plastic Lumber and Shapes, **08.03**
- D6118 Not Assigned*
- D6119-12** Practice for Creating Surface Appearance Changes in Pile Yarn Floor Covering from Foot Traffic, **07.02**
- D6120-97(2012)** Test Method for Electrical Resistivity of Anode and Cathode Carbon Material at Room Temperature, **05.02**
- D6121-13** Test Method for Evaluation of Load-Carrying Capacity of Lubricants Under Conditions of Low Speed and High Torque Used for Final Hypoid Drive Axles, **05.02**
- D6122-13** Practice for Validation of the Performance of Multivariate Online, At-Line, and Laboratory Infrared Spectrophotometer Based Analyzer Systems, **05.02**
- D6123/D6123M-97(2012)** Specification for Pressure-Sensitive Tape for Light-Duty Packaging and General Purpose Masking, **15.10**
- D6124-06(2011)** Test Method for Residual Powder on Medical Gloves, **09.02**
- D6125 Withdrawn 2010; Test Method for Bending Resistance of Paper and Paperboard (Gurley Type Tester)*
- D6126/D6126M-11<sup>-1</sup>** Specification for HFC-23 (Trifluoromethane, CHF<sub>3</sub>), **15.05**
- D6127-11** Practice for Handling, Transportation, and Storage of HFC-23 (Trifluoromethane, CHF<sub>3</sub>), **15.05**
- D6128-06** Test Method for Shear Testing of Bulk Solids Using the Jenike Shear Cell, **04.09**
- D6129-97(2007)** Test Method for Silicon in Engine Coolant Concentrates by Atomic Absorption Spectroscopy, **15.05**
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- D6131-97(2012)** Test Method for Evaluating the Relative Tint Undertone of Titanium Dioxide Pigments, **06.01**
- D6132-08** Test Method for Nondestructive Measurement of Dry Film Thickness of Applied Organic Coatings Using an Ultrasonic Gage, **06.01**
- D6133-02(2008)** Test Method for Acetone, *p*-Chlorobenzotrifluoride, Methyl Acetate or *t*-Butyl Acetate Content of Solventborne and Waterborne Paints, Coatings, Resins, and Raw Materials by Direct Injection Into a Gas Chromatograph, **06.01**
- D6134-07(2013)** Specification for Vulcanized Rubber Sheets Used in Waterproofing Systems, **04.04**
- D6135-05** Practice for Application of Self-Adhering Modified Bituminous Waterproofing, **04.04**
- D6136/D6136M-97(2013)<sup>-1</sup>** Test Method for Kerosine Number of Unsaturated (Dry) Felt by Vacuum Method, **04.04**
- D6137-97(2012)** Test Method for Sulfuric Acid Resistance of Polymer Linings for Flue Gas Desulfurization Systems, **06.02**
- D6138-13** Test Method for Determination of Corrosion-Preventive Properties of Lubricating Greases Under Dynamic Wet Conditions (Emcor Test), **05.03**
- D6139-11** Test Method for Determining the Aerobic Aquatic Biodegradation of Lubricants or Their Components Using the Gledhill Shake Flask, **05.03**
- D6140-00(2014)** Test Method to Determine Asphalt Retention of Paving Fabrics Used in Asphalt Paving for Full-Width Applications, **04.13**
- D6141-09** Guide for Screening Clay Portion of Geosynthetic Clay Liner (GCL) for Chemical Compatibility to Liquids, **04.13**
- D6142-12** Test Method for Analysis of Phenol by Capillary Gas Chromatography, **06.04**
- D6143-13** Test Method for Iron Content of Bisphenol A (4,4 - Isopropylidenedi-phenol), **06.04**
- D6144-13** Test Method for Analysis of AMS ( $\alpha$ -Methylstyrene) by Capillary Gas Chromatography, **06.04**
- D6145-97(2012)** Guide for Monitoring Sediment in Watersheds, **11.01**
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- D6147-97(2008)<sup>-1</sup>** Test Method for Vulcanized Rubber and Thermoplastic Elastomer—Determination of Force Decay (Stress Relaxation) in Compression, **09.01**
- D6148 Withdrawn 2010; Practice for Separation and Examination of Stickies*
- D6149 Withdrawn 2003; Specification for Newsprint Including Newsprint Manufactured from Recycled Fiber*
- D6150-09** Test Method for Estimating Processing Losses of Plastisols and Organosols Due to Volatility, **08.03**
- D6151-08** Practice for Using Hollow-Stem Augers for Geotechnical Exploration and Soil Sampling, **04.09**
- D6152/D6152M-12** Specification for SEBS-Modified Mopping Asphalt Used in Roofing, **04.04**
- D6153-97(2007)** Specification for Materials for Bridge Deck Waterproofing Membrane Systems, **04.03**
- D6154-09** Specification for Chemically Modified Asphalt Cement for Use in Pavement Construction, **04.03**
- D6155-13** Specification for Nontraditional Coarse Aggregates for Bituminous Paving Mixtures, **04.03**
- D6156 Withdrawn 2006; Practice for Use of Reversed-Phase High Performance Liquid Chromatographic Systems*
- D6157-97(2011)** Practice for Determining the Performance of Oil/Water Separators Subjected to a Sudden Release, **11.02**
- D6158-10** Specification for Mineral Hydraulic Oils, **05.03**
- D6159-97(2012)** Test Method for Determination of Hydrocarbon Impurities in Ethylene by Gas Chromatography, **05.03**
- D6160-98(2013)** Test Method for Determination of Polychlorinated Biphenyls (PCBs) in Waste Materials by Gas Chromatography, **05.03**
- D6161-10** Terminology Used for Microfiltration, Ultrafiltration, Nanofiltration and Reverse Osmosis Membrane Processes, **11.02**
- D6162-00a(2008)** Specification for Styrene Butadiene Styrene (SBS) Modified Bituminous Sheet Materials Using a Combination of Polyester and Glass Fiber Reinforcements, **04.04**
- D6163-00(2008)** Specification for Styrene Butadiene Styrene (SBS) Modified Bituminous Sheet Materials Using Glass Fiber Reinforcements, **04.04**
- D6164/D6164M-11** Specification for Styrene Butadiene Styrene (SBS) Modified Bituminous Sheet Materials Using Polyester Reinforcements, **04.04**
- D6165-97(2012)** Guide for the Comparison, Detection, and Identification of the Odors of Paints, Inks, and Related Materials, **06.01**
- D6166-12** Test Method for Color of Pine Chemicals and Related Products (Instrumental Determination of Gardner Color), **06.03**
- D6167-11** Guide for Conducting Borehole Geophysical Logging: Mechanical Caliper, **04.09**
- D6168-97(2010)** Guide for Selection of Minimum Set of Data Elements Required to Identify Locations Chosen for Field Collection of Information to Describe Soil, Rock, and Their Contained Fluids, **04.09**
- D6169/D6169M-13** Guide for Selection of Soil and Rock Sampling Devices Used With Drill Rigs for Environmental Investigations, **04.09**
- D6170-97(2010)** Guide for Selecting a Ground-Water Modeling Code, **04.09**
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- D6172-98(2010)** Test Method for Determining the Volume of Bulk Materials Using Contours or Cross Sections Created by Direct Operator Compilation Using Photogrammetric Procedures, **05.06**

- D6173-97(2014)** Test Method for Determination of Various Anionic Surfactant Activities by Potentiometric Titration, **15.04**
- D6174-01(2006)** Test Method for Inorganic Sulfate in Surfactants by Potentiometric Lead Titration, **15.04**
- D6175-03(2013)** Test Method for Radial Crush Strength of Extruded Catalyst and Catalyst Carrier Particles, **05.05**
- D6176-97(2008)** Practice for Measuring Surface Atmospheric Temperature with Electrical Resistance Temperature Sensors, **11.07**
- D6177-97(2008)<sup>†1</sup>** Practice for Determining Emission Profiles of Volatile Organic Chemicals Emitted from Bedding Sets, **11.07**
- D6178-97(2008)** Practice for Estimation of Short-term Inhalation Exposure to Volatile Organic Chemicals Emitted from Bedding Sets, **11.07**
- D6179-07(2014)** Test Methods for Rough Handling of Unitized Loads and Large Shipping Cases and Crates, **15.10**
- D6180 Withdrawn 2014; Test Method for Stability of Insulating Oils of Petroleum Origin Under Electrical Discharge*
- D6181 Withdrawn 2011; Test Method for Measurement of Turbidity in Mineral Insulating Oil of Petroleum Origin*
- D6182-00(2010)** Test Method for Flexibility and Adhesion of Finish on Leather, **15.04**
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- D6185-11** Practice for Evaluating Compatibility of Binary Mixtures of Lubricating Greases, **05.03**
- D6186-08** Test Method for Oxidation Induction Time of Lubricating Oils by Pressure Differential Scanning Calorimetry (PDSC), **05.03**
- D6187-97(2010)** Practice for Cone Penetrometer Technology Characterization of Petroleum Contaminated Sites with Nitrogen Laser-Induced Fluorescence, **04.09**
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- D6189-97(2008)** Practice for Evaluating the Efficiency of Chemical Removers for Organic Coatings, **06.02**
- D6190 Withdrawn 2001; Test Method for Cathodic Disbonding of Pipeline Coatings by Laboratory Simulation of Soil Burial*
- D6191-97(2008)<sup>†1</sup>** Test Method for Measurement of Evolved Formaldehyde from Water Reducible Air-Dry Coatings, **06.01**
- D6192-11** Tables of Body Measurements for Girls, Sizes 2 to 20 (Reg & Slim) and Girls Plus, **07.02**
- D6193-11** Practice for Stitches and Seams, **07.02**
- D6194-10** Test Method for Glow-Wire Ignition of Materials, **10.02**
- D6195-03(2011)** Test Methods for Loop Tack, **15.10**
- D6196-03(2009)** Practice for Selection of Sorbents, Sampling, and Thermal Desorption Analysis Procedures for Volatile Organic Compounds in Air, **11.07**
- D6197-99(2011)** Test Method for Classifying and Counting Faults in Spun Yarns in Electronic Tests, **07.02**
- D6198-12** Guide for Transport Packaging Design, **15.10**
- D6199-07(2012)** Practice for Quality of Wood Members of Containers and Pallets, **15.10**
- D6200-01(2012)** Test Method for Determination of Cooling Characteristics of Quench Oils by Cooling Curve Analysis, **05.03**
- D6201-04(2009)** Test Method for Dynamometer Evaluation of Unleaded Spark-Ignition Engine Fuel for Intake Valve Deposit Formation, **05.03**
- D6202 Withdrawn 2009; Test Method for Automotive Engine Oils on the Fuel Economy of Passenger Cars and Light-Duty Trucks in the Sequence VIA Spark Ignition Engine*
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- D6204-12** Test Method for Rubber—Measurement of Unvulcanized Rheological Properties Using Rotorless Shear Rheometers, **09.01**
- D6205-12** Practice for Calibration of the James Static Coefficient of Friction Machine, **15.04**
- D6206-09** Practice for Sampling of Coating Films, **06.02**
- D6207-03(2011)** Test Method for Dimensional Stability of Fabrics to Changes in Humidity and Temperature, **07.02**
- D6208-07(2014)** Test Method for Repassivation Potential of Aluminum and Its Alloys by Galvanostatic Measurement, **15.05**
- D6209-13** Test Method for Determination of Gaseous and Particulate Polycyclic Aromatic Hydrocarbons in Ambient Air (Collection on Sorbent-Backed Filters with Gas Chromatographic/Mass Spectrometric Analysis), **11.07**
- D6210-10** Specification for Fully-Formulated Glycol Base Engine Coolant for Heavy-Duty Engines, **15.05**
- D6211 Withdrawn 2003; Specification for Fully-Formulated Propylene Glycol-Base Engine Coolant for Heavy-Duty Engines; Replaced by D6210*
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- D6213-97(2009)** Practice for Tests to Evaluate the Chemical Resistance of Geogrids to Liquids, **04.13**
- D6214/D6214M-98(2013)<sup>†1</sup>** Test Method for Determining the Integrity of Field Seams Used in Joining Geomembranes by Chemical Fusion Methods, **04.13**
- D6215 Withdrawn 2004; Guide for Removal of Oily Soils from Metal Surfaces*
- D6216-12** Practice for Opacity Monitor Manufacturers to Certify Conformance with Design and Performance Specifications, **11.07**
- D6217-11** Test Method for Particulate Contamination in Middle Distillate Fuels by Laboratory Filtration, **05.03**
- D6218 Not Assigned*
- D6220 Not Assigned*
- D6221-00(2006)** Specification for Reinforced Bituminous Flashing Sheets for Roofing and Waterproofing, **04.04**
- D6222/D6222M-11** Specification for Atactic Polypropylene (APP) Modified Bituminous Sheet Materials Using Polyester Reinforcements, **04.04**
- D6223/D6223M-02(2009)<sup>†1</sup>** Specification for Atactic Polypropylene (APP) Modified Bituminous Sheet Materials Using a Combination of Polyester and Glass Fiber Reinforcements, **04.04**
- D6224-09** Practice for In-Service Monitoring of Lubricating Oil for Auxiliary Power Plant Equipment, **05.03**
- D6225/D6225M-98(2012)<sup>†1</sup>** Test Method for Granule Cover of Mineral Surfaced Roofing, **04.04**
- D6226-10** Test Method for Open Cell Content of Rigid Cellular Plastics, **08.03**
- D6227-12** Specification for Unleaded Aviation Gasoline Containing a Non-hydrocarbon Component, **05.03**
- D6228-10** Test Method for Determination of Sulfur Compounds in Natural Gas and Gaseous Fuels by Gas Chromatography and Flame Photometric Detection, **05.06**
- D6229-06(2010)** Test Method for Trace Benzene in Hydrocarbon Solvents by Capillary Gas Chromatography, **06.04**
- D6230-13** Test Method for Monitoring Ground Movement Using Probe-Type Inclometers, **04.09**
- D6231-11** Specification for HFC-125 (Pentafluoroethane, C<sub>2</sub>HF<sub>5</sub>), **15.05**
- D6232-08** Guide for Selection of Sampling Equipment for Waste and Contaminated Media Data Collection Activities, **11.04**
- D6233-98(2009)** Guide for Data Assessment for Environmental Waste Management Activities, **11.04**
- D6234-13** Test Method for Shake Extraction of Mining Waste by the Synthetic Precipitation Leaching Procedure, **11.04**
- D6235-04(2010)** Practice for Expedited Site Characterization of Vadose Zone and Ground Water Contamination at Hazardous Waste Contaminated Sites, **04.09**
- D6236-11** Guide for Coring and Logging Soil-Cement or Lime-Stabilized Soil, **04.09**
- D6237-09** Guide for Painting Inspectors (Concrete and Masonry Substrates), **06.02**
- D6238-98(2011)** Test Method for Total Oxygen Demand in Water, **11.02**
- D6239-09** Test Method for Uranium in Drinking Water by High-Resolution Alpha-Liquid-Scintillation Spectrometry, **11.02**
- D6240/D6240M-12<sup>†1</sup>** Tables of Body Measurements for Mature Men, ages 35 and older, Sizes Thirty-Four to Fifty-Two (34 to 52) Short, Regular, and Tall, **07.02**
- D6241-04(2009)<sup>†1</sup>** Test Method for the Static Puncture Strength of Geotextiles and Geotextile-Related Products Using a 50-mm Probe, **04.13**
- D6242 Withdrawn 2008; Test Method for Mass Unit Area of Nonwoven Fabrics*
- D6243/D6243M-13a** Test Method for Determining the Internal and Interface Shear Strength of Geosynthetic Clay Liner by the Direct Shear Method, **04.13**
- D6244-06(2011)** Test Method for Vertical Compression of Geocomposite Pavement Panel Drains, **04.13**
- D6245-12** Guide for Using Indoor Carbon Dioxide Concentrations to Evaluate Indoor Air Quality and Ventilation, **11.07**
- D6246-08(2013)** Practice for Evaluating the Performance of Diffusive Samplers, **11.07**
- D6247-10** Test Method for Determination of Elemental Content of Polyolefins by Wavelength Dispersive X-ray Fluorescence Spectrometry, **08.03**
- D6248-98(2012)<sup>†1</sup>** Test Method for Vinyl and Trans Unsaturation in Polyethylene by Infrared Spectrophotometry, **08.03**
- D6249-06(2011)** Guide for Alkaline Stabilization of Wastewater Treatment Plant Residuals, **04.01**
- D6250-98(2009)** Practice for Derivation of Decision Point and Confidence Limit for Statistical Testing of Mean Concentration in Waste Management Decisions, **11.04**
- D6251/D6251M-11** Specification for Wood-Cleated Panelboard Shipping Boxes, **15.10**
- D6252/D6252M-98(2011)** Test Method for Peel Adhesion of Pressure-Sensitive Label Stocks at a 90 Angle, **15.10**
- D6253-10** Practice for Treatment and/or Marking of Wood Packaging Materials, **15.10**
- D6254/D6254M-13** Specification for Wirebound Pallet-Type Wood Boxes, **15.10**
- D6255/D6255M-05(2011)** Specification for Steel or Aluminum Slotted Angle Crates, **15.10**
- D6256/D6256M-10** Specification for Wood-Cleated Shipping Boxes with Skidded, Load-Bearing Bases, **15.10**
- D6257 Withdrawn 2000; Specification for Prediluted Aqueous Propylene Glycol Base Engine Coolant (50 Volume % Minimum) for Automobile and Light-Duty Service; Consolidated into D 3306*
- D6258-09** Test Method for Determination of Solvent Red 164 Dye Concentration in Diesel Fuels, **05.03**
- D6259-98(2010)** Practice for Determination of a Pooled Limit of Quantitation, **05.03**
- D6260 Withdrawn 2004; Test Method for Gravimetric Determination of Carbon Black in Nylon Materials (PA)*
- D6261-14** Specification for Extruded and Compression Molded Basic Shapes Made from Thermoplastic Polyester (TPES), **08.03**
- D6262-12** Specification for Extruded, Compression Molded, and Injection Molded Basic Shapes of Poly(aryl ether ketone) (PAEK), **08.03**
- D6263-11** Specification for Extruded Rods and Bars Made From Rigid Poly(Vinyl Chloride) (PVC) and Chlorinated Poly(Vinyl Chloride) (CPVC), **08.03**

- D6264/D6264M-12** Test Method for Measuring the Damage Resistance of a Fiber-Reinforced Polymer-Matrix Composite to a Concentrated Quasi-Static Indentation Force, **15.03**
- D6265-09** Practice for Separation of Contaminants in Polymers Using an Extruder Filter Test, **08.03**
- D6266-00a(2011)** Test Method for Determining the Amount of Volatile Organic Compound (VOC) Released From Waterborne Automotive Coatings and Available for Removal in a VOC Control Device (Abatement), **06.01**
- D6267-08** Test Method for Apparent Viscosity of Hydrocarbon Resins at Elevated Temperatures, **06.03**
- D6268-09** Practice for Handling, Transportation, and Storage of HFC-125, Pentafluoroethane (C<sub>2</sub>HF<sub>5</sub>), **15.05**
- D6269 Withdrawn 2004; Test Method for Solidification Point of p-Xylene*
- D6270-08(2012)** Practice for Use of Scrap Tires in Civil Engineering Applications, **11.04**
- D6271-10** Test Method for Estimating Contribution of Environmental Tobacco Smoke to Respirable Suspended Particles Based on Solanesol, **11.07**
- D6272-10** Test Method for Flexural Properties of Unreinforced and Reinforced Plastics and Electrical Insulating Materials by Four-Point Bending, **08.03**
- D6273-14** Test Methods for Natural Gas Odor Intensity, **05.06**
- D6274-10** Guide for Conducting Borehole Geophysical Logging - Gamma, **04.09**
- D6275 Withdrawn 2004; Practice for Laboratory Testing of Bridge Decks*
- D6276-99a(2006)<sup>1</sup>** Test Method for Using pH to Estimate the Soil-Lime Proportion Requirement for Soil Stabilization, **04.09**
- D6277-07(2012)** Test Method for Determination of Benzene in Spark-Ignition Engine Fuels Using Mid Infrared Spectroscopy, **05.03**
- D6278-12<sup>1</sup>** Test Method for Shear Stability of Polymer Containing Fluids Using a European Diesel Injector Apparatus, **05.03**
- D6279-03(2013)** Test Method for Rub Abrasion Mar Resistance of High Gloss Coatings, **06.02**
- D6280-98(2008)** Specification for Zinc Phosphate Pigments, **06.03**
- D6281-09** Test Method for Airborne Asbestos Concentration in Ambient and Indoor Atmospheres as Determined by Transmission Electron Microscopy Direct Transfer (TEM), **11.07**
- D6282 Withdrawn 2014; Guide for Direct Push Soil Sampling for Environmental Site Characterizations*
- D6283-12** Test Method for Tuft Element Length of Uncoated Pile Yarn Floor Coverings, **07.02**
- D6284-09** Test Method for Rubber Property—Effect of Aqueous Solutions with Available Chlorine and Chloramine, **09.02**
- D6285-99(2012)<sup>1</sup>** Guide for Locating Abandoned Wells, **04.09**
- D6286-12** Guide for Selection of Drilling Methods for Environmental Site Characterization, **04.09**
- D6287-09** Practice for Cutting Film and Sheeting Test Specimens, **08.03**
- D6288-09** Practice for Separation and Washing of Recycled Plastics Prior to Testing, **08.03**
- D6289-13** Test Method for Measuring Shrinkage from Mold Dimensions of Molded Thermosetting Plastics, **08.03**
- D6290-13** Test Method for Color Determination of Plastic Pellets, **08.03**
- D6291 Not Assigned*
- D6292 Not Assigned*
- D6293 Withdrawn 2009; Test Method for Oxygenates and Paraffin, Olefin, Naphthene, Aromatic(O-PONA) Hydrocarbon Types in Low-Olefin Spark Ignition Engine Fuels by Gas Chromatography; Replaced by D6839*
- D6294/D6294M-13** Test Method for Corrosion Resistance of Ferrous Metal Fastener Assemblies Used in Roofing and Waterproofing, **04.04**
- D6295/D6295M-98(2011)** Test Method for Dispensability of Light-Duty Pressure-Sensitive Film Tape, **15.10**
- D6296-98(2013)** Test Method for Total Olefins in Spark-ignition Engine Fuels by Multidimensional Gas Chromatography, **05.03**
- D6297-13** Specification for Asphaltic Plug Joints for Bridges, **04.03**
- D6298-13** Specification for Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Bituminous Sheets with a Factory Applied Metal Surface, **04.04**
- D6299-13** Practice for Applying Statistical Quality Assurance and Control Charting Techniques to Evaluate Analytical Measurement System Performance, **05.03**
- D6300-13** Practice for Determination of Precision and Bias Data for Use in Test Methods for Petroleum Products and Lubricants, **05.03**
- D6301-13** Practice for Collection of On-Line Composite Samples of Suspended Solids and Ionic Solids in Process Water, **11.01**
- D6302-98(2009)** Practice for Evaluating the Kinetic Behavior of Ion Exchange Resins, **11.02**
- D6303 Withdrawn 2007; Test Method for Formaldehyde in Water*
- D6304-07** Test Method for Determination of Water in Petroleum Products, Lubricating Oils, and Additives by Coulometric Karl Fischer Titration, **05.04**
- D6305-08** Practice for Calculating Bending Strength Design Adjustment Factors for Fire-Retardant-Treated Plywood Roof Sheathing, **04.10**
- D6306-10** Guide for Placement and Use of Diffusion Controlled Passive Monitors for Gaseous Pollutants in Indoor Air, **11.07**
- D6307-10** Test Method for Asphalt Content of Hot-Mix Asphalt by Ignition Method, **04.03**
- D6308 Withdrawn 1999; Guide for Identification of Composite Materials in Computerized Material Property Databases; Redesignated E1309*
- D6309 Withdrawn 1999; Guide for Development of Standards for Data Records for Computerization of Mechanical Test Data for High-Modulus Fiber-Reinforced Composite Materials; Redesignated E1434*
- D6311-98(2014)** Guide for Generation of Environmental Data Related to Waste Management Activities: Selection and Optimization of Sampling Design, **11.04**
- D6312-98(2012)<sup>1</sup>** Guide for Developing Appropriate Statistical Approaches for Groundwater Detection Monitoring Programs, **04.09**
- D6313 Withdrawn 2008; Test Method for Total Sulfur in Aromatic Compounds by Hydrogenolysis and Sulfur Specific Difference Photometry*
- D6314 Withdrawn 2002; Specification for Fluorocarbon Perfluoromethoxy (MFA) Resin Molding and Extrusion Materials; Combined with D 3307*
- D6315 Withdrawn 2003; Practice for Manual Sampling of Coal from Tops of Barges; Replaced by D6883*
- D6316-09b<sup>1</sup>** Test Method for Determination of Total, Combustible and Carbonate Carbon in Solid Residues from Coal and Coke, **05.06**
- D6317-98(2009)** Test Method for Low Level Determination of Total Carbon, Inorganic Carbon and Organic Carbon in Water by Ultraviolet, Persulfate Oxidation, and Membrane Conductivity Detection, **11.01**
- D6318-03(2014)** Practice for Calibrating a Fathometer Using a Bar Check Method, **11.01**
- D6319-10** Specification for Nitrile Examination Gloves for Medical Application, **09.02**
- D6320/D6320M-10(2014)** Test Methods for Single Filament Hose Reinforcing Wire Made from Steel, **07.02**
- D6321/D6321M-14** Practice for the Evaluation of Machine Washable T-Shirts, **07.02**
- D6322-07** Guide to International Test Methods Associated with Textile Care Procedures, **07.02**
- D6323-12<sup>1</sup>** Guide for Laboratory Subsampling of Media Related to Waste Management Activities, **11.04**
- D6324-11** Specification for Male Condoms Made from Polyurethane, **09.02**
- D6325-98(2011)** Test Method for Determining Open Assembly Time of Carpet Mastic Adhesives, **15.06**
- D6326-08(2014)** Practice for The Selection of Maximum Transit-Rate Ratios and Depths for the U.S. Series of Isokinetic Suspended-Sediment Samplers, **11.01**
- D6327-10** Test Method for Determination of Radon Decay Product Concentration and Working Level in Indoor Atmospheres by Active Sampling on a Filter, **11.07**
- D6328-12** Guide for Quality Assurance Protocols for Chemical Analysis of Atmospheric Wet Deposition, **11.07**
- D6329-98(2008)** Guide for Developing Methodology for Evaluating the Ability of Indoor Materials to Support Microbial Growth Using Static Environmental Chambers, **11.07**
- D6330-98(2008)** Practice for Determination of Volatile Organic Compounds (Excluding Formaldehyde) Emissions from Wood-Based Panels Using Small Environmental Chambers Under Defined Test Conditions, **11.07**
- D6331-13** Test Method for Determination of Mass Concentration of Particulate Matter from Stationary Sources at Low Concentrations (Manual Gravimetric Method), **11.07**
- D6332-12** Guide for Testing Systems for Measuring Dynamic Responses of Carbon Monoxide Detectors to Gases and Vapors, **11.07**
- D6333-10** Practice for Collection of Dislodgeable Pesticide Residues from Floors, **11.07**
- D6334-12** Test Method for Sulfur in Gasoline by Wavelength Dispersive X-Ray Fluorescence, **05.03**
- D6335-09** Test Method for Determination of High Temperature Deposits by Thermo-Oxidation Engine Oil Simulation Test, **05.03**
- D6336-11** Practice for Evaluation of Flushing Vehicles for Pigment Wetting Using a Vacuum Modified Sigma Blade Mixer, **06.03**
- D6337-98(2013)** Practice for Physical Characterization of Woven Paint Applicator Fabrics, **06.02**
- D6338-10** Classification System for Highly Crosslinked Thermoplastic Vulcanizates (HCTPVs) Based on ASTM Standard Test Methods, **08.03**
- D6339-11** Classification System for and Basis for Specifications for Syndiotactic Polystyrene Molding and Extrusion (SPS), **08.03**
- D6340-98(2007)** Test Methods for Determining Aerobic Biodegradation of Radiolabeled Plastic Materials in an Aqueous or Compost Environment, **08.03**
- D6341-13** Test Method for Determination of the Linear Coefficient of Thermal Expansion of Plastic Lumber and Plastic Lumber Shapes Between -30 and 140°F (-34.4 and 60°C), **08.03**
- D6342-12** Practice for Polyurethane Raw Materials: Determining Hydroxyl Number of Polyols by Near Infrared (NIR) Spectroscopy, **08.03**
- D6343-10** Test Methods for Thin Thermally Conductive Solid Materials for Electrical Insulation and Dielectric Applications, **10.02**
- D6344-04(2009)** Test Method for Concentrated Impacts to Transport Packages, **15.10**
- D6345-10** Guide for Selection of Methods for Active, Integrative Sampling of Volatile Organic Compounds in Air, **11.07**
- D6346-98(2009)** Guide for Accepting, Segregating and Packaging Materials Collected Through Household Hazardous Waste Programs, **11.04**
- D6347/D6347M-05(2010)** Test Method for Determination of Bulk Density of Coal Using Nuclear Backscatter Depth Density Methods, **05.06**
- D6348-12<sup>1</sup>** Test Method for Determination of Gaseous Compounds by Extractive Direct Interface Fourier Transform Infrared (FTIR) Spectroscopy, **11.07**
- D6349-13** Test Method for Determination of Major and Minor Elements in Coal, Coke, and Solid Residues from Combustion of Coal and Coke by Inductively Coupled Plasma—Atomic Emission Spectrometry, **05.06**
- D6350-14** Test Method for Mercury Sampling and Analysis in Natural Gas by Atomic Fluorescence Spectroscopy, **05.06**
- D6351-10** Test Method for Determination of Low Temperature Fluidity and

- Appearance of Hydraulic Fluids, **05.03**
- D6352-12** Test Method for Boiling Range Distribution of Petroleum Distillates in Boiling Range from 174 to 700°C by Gas Chromatography, **05.03**
- D6353-06(2011)** Guide for Sampling Plan and Core Sampling for Prebaked Anodes Used in Aluminum Production, **05.03**
- D6354-12** Guide for Sampling Plan and Core Sampling of Carbon Cathode Blocks Used in Aluminum Production, **05.03**
- D6355-07(2012)** Test Method for Human Repeat Insult Patch Testing of Medical Gloves, **09.02**
- D6356/D6356M-98(2011)\*<sup>1</sup>** Test Method for Hydrogen Gas Generation of Aluminum Emulsified Asphalt Used as a Protective Coating for Roofing, **04.04**
- D6357-11** Test Methods for Determination of Trace Elements in Coal, Coke, and Combustion Residues from Coal Utilization Processes by Inductively Coupled Plasma Atomic Emission Spectrometry, Inductively Coupled Plasma Mass Spectrometry, and Graphite Furnace Atomic Absorption Spectrometry, **05.06**
- D6358-11** Classification System and Basis for Specification for Poly (Phenylene Sulfide) (PPS) Injection Molding and Extrusion Materials Using ISO Methods, **08.03**
- D6359 Withdrawn 2006; Specification for Minimum Retroreflectance of Newly Applied Pavement Marking Using Portable Hand-Operated Instruments*
- D6360-07** Practice for Enclosed Carbon-Arc Exposures of Plastics, **08.03**
- D6361/D6361M-98(2010)\*<sup>1</sup>** Guide for Selecting Cleaning Agents and Processes, **15.05**
- D6362-98(2013)** Practice for Certificates of Reference Materials for Water Analysis, **11.01**
- D6363-98(2013)** Test Method for Determination of Hydrogen Peroxide and Combined Organic Peroxides in Atmospheric Water Samples by Peroxidase Enzyme Fluorescence Method, **11.07**
- D6364-06(2011)** Test Method for Determining Short-Term Compression Behavior of Geosynthetics, **04.13**
- D6365-99(2011)** Practice for the Nondestructive Testing of Geomembrane Seams using the Spark Test, **04.13**
- D6366 Withdrawn 2006; Test Method for Total Trace Nitrogen and Its Derivatives in Liquid Aromatic Hydrocarbons by Oxidative Combustion and Electrochemical Detection*
- D6367-12** Specification for AMS ( $\alpha$ -Methylstyrene), **06.04**
- D6368-06(2012)** Specification for Vapor-Degreasing Solvents Based on, **15.05**
- D6369-99(2006)** Guide for Design of Standard Flashing Details for EPDM Roof Membranes, **04.04**
- D6370-99(2009)** Test Method for Rubber—Compositional Analysis by Thermogravimetry (TGA), **09.01**
- D6371-05(2010)** Test Method for Cold Filter Plugging Point of Diesel and Heating Fuels, **05.03**
- D6372-05(2010)** Practice for Design, Testing, and Construction of Micro-Surfacing, **04.03**
- D6373-13** Specification for Performance Graded Asphalt Binder, **04.03**
- D6374-12** Test Method for Volatile Matter in Green Petroleum Coke Quartz Crucible Procedure, **05.03**
- D6375-09** Test Method for Evaporation Loss of Lubricating Oils by Thermogravimetric Analyzer (TGA) Noack Method, **05.03**
- D6376-10** Test Method for Determination of Trace Metals in Petroleum Coke by Wavelength Dispersive X-ray Fluorescence Spectroscopy, **05.03**
- D6377-10** Test Method for Determination of Vapor Pressure of Crude Oil: VPCR, **05.03**
- D6378-10** Test Method for Determination of Vapor Pressure (VPX) of Petroleum Products, Hydrocarbons, and Hydrocarbon-Oxygenate Mixtures (Triple Expansion Method), **05.03**
- D6379-11** Test Method for Determination of Aromatic Hydrocarbon Types in Aviation Fuels and Petroleum Distillates—High Performance Liquid Chromatography Method with Refractive Index Detection, **05.03**
- D6380/D6380M-03(2013)\*<sup>1</sup>** Specification for Asphalt Roll Roofing (Organic Felt), **04.04**
- D6381/D6381M-08(2013)\*<sup>1</sup>** Test Method for Measurement of Asphalt Shingle Mechanical Uplift Resistance, **04.04**
- D6382/D6382M-99(2011)\*<sup>1</sup>** Practice for Dynamic Mechanical Analysis and Thermogravimetry of Roofing and Waterproofing Membrane Material, **04.04**
- D6383/D6383M-99(2011)\*<sup>1</sup>** Practice for Time-to-Failure (Creep-Rupture) of Adhesive Joints Fabricated from EPDM Roof Membrane Material, **04.04**
- D6384-11** Terminology Relating to Biodegradability and Ecotoxicity of Lubricants, **05.03**
- D6385-99(2011)** Test Method for Determining Acid Extractable Content in Activated Carbon by Ashing, **15.01**
- D6386-10** Practice for Preparation of Zinc (Hot-Dip Galvanized) Coated Iron and Steel Product and Hardware Surfaces for Painting, **06.02**
- D6387-99(2010)\*<sup>1</sup>** Test Methods for Composition of Turpentine and Related Terpene Products by Capillary Gas Chromatography, **06.03**
- D6388-99(2012)** Practice for Tests to Evaluate the Chemical Resistance of Geonets to Liquids, **04.13**
- D6389-99(2012)** Practice for Tests to Evaluate the Chemical Resistance of Geotextiles to Liquids, **04.13**
- D6390-11** Test Method for Determination of Draindown Characteristics in Uncompacted Asphalt Mixtures, **04.03**
- D6391-11** Test Method for Field Measurement of Hydraulic Conductivity Using Borehole Infiltration, **04.09**
- D6392-12** Test Method for Determining the Integrity of Nonreinforced Geomembrane Seams Produced Using Thermo-Fusion Methods, **04.13**
- D6393-08** Test Method for Bulk Solids Characterization by Carr Indices, **04.09**
- D6394-14** Specification for Sulfone Plastics (SP), **08.03**
- D6395-11** Test Method for Flatwise Flexural Impact Resistance of Rigid Plastics, **08.03**
- D6396-99(2012)** Test Method for Testing of Pipe Thread Sealants on Pipe Tees, **15.06**
- D6397 Not Assigned*
- D6398-08(2014)** Practice to Enhance Identification of Drug Names on Labels, **15.10**
- D6399-10** Guide for Selecting Instruments and Methods for Measuring Air Quality in Aircraft Cabins, **11.07**
- D6400-12** Specification for Labeling of Plastics Designed to be Aerobically Composted in Municipal or Industrial Facilities, **08.03**
- D6401-99(2009)** Test Method for Determining Non-Tannins and Tannin in Extracts of Vegetable Tanning Materials, **15.04**
- D6402-99(2009)** Test Method for Determining Soluble Solids and Insolubles in Extracts of Vegetable Tanning Materials, **15.04**
- D6403-99(2009)** Test Method for Determining Moisture in Raw and Spent Materials, **15.04**
- D6404-99(2009)** Practice for Sampling Vegetable Materials Containing Tannin, **15.04**
- D6405-99(2009)** Practice for Extraction of Tannins from Raw and Spent Materials, **15.04**
- D6406-99(2009)** Test Method for Analysis of Sugar in Vegetable Tanning Materials, **15.04**
- D6407-99(2009)** Test Method for Analysis of Iron and Copper in Vegetable Tanning Materials, **15.04**
- D6408-99(2009)** Test Method for Analysis of Tannery Liquors, **15.04**
- D6409-99(2009)** Practice for Color Tests with Sheepskin Skiver, **15.04**
- D6410-99(2009)** Test Method for Determining Acidity of Vegetable Tanning Liquors, **15.04**
- D6411/D6411M-99(2012)** Specification For Silicone Rubber Room Temperature Vulcanizing Low Outgassing Materials, **15.06**
- D6412/D6412M-99(2012)** Specification For Epoxy (Flexible) Adhesive For Bonding Metallic And Nonmetallic Materials, **15.06**
- D6413/D6413M-13b** Test Method for Flame Resistance of Textiles (Vertical Test), **07.02**
- D6414-14** Test Methods for Total Mercury in Coal and Coal Combustion Residues by Acid Extraction or Wet Oxidation/Cold Vapor Atomic Absorption, **05.06**
- D6415/D6415M-06a(2013)** Test Method for Measuring the Curved Beam Strength of a Fiber-Reinforced Polymer-Matrix Composite, **15.03**
- D6416/D6416M-01(2012)** Test Method for Two-Dimensional Flexural Properties of Simply Supported Sandwich Composite Plates Subjected to a Distributed Load, **15.03**
- D6417-09** Test Method for Estimation of Engine Oil Volatility by Capillary Gas Chromatography, **05.03**
- D6418-09** Practice for Using the Disposable En Core Sampler for Sampling and Storing Soil for Volatile Organic Analysis, **11.04**
- D6419-00(2009)** Test Method for Volatile Content of Sheet-Fed and Coldset Web Offset Printing Inks, **06.02**
- D6420-99(2010)** Test Method for Determination of Gaseous Organic Compounds by Direct Interface Gas Chromatography-Mass Spectrometry, **11.07**
- D6421-99a(2009)** Test Method for Evaluating Automotive Spark-Ignition Engine Fuel for Electronic Port Fuel Injector Fouling by Bench Procedure, **05.03**
- D6422 Withdrawn 2007; Test Method for Water Tolerance (Phase Separation) of Gasoline-Alcohol Blends*
- D6423-08** Test Method for Determination of pHe of Ethanol, Denatured Fuel Ethanol, and Fuel Ethanol (Ed75-Ed85), **05.03**
- D6424-04a(2010)** Practice for Octane Rating Naturally Aspirated Spark Ignition Aircraft Engines, **05.03**
- D6425-11** Test Method for Measuring Friction and Wear Properties of Extreme Pressure (EP) Lubricating Oils Using SRV Test Machine, **05.03**
- D6426-13** Test Method for Determining Filterability of Middle Distillate Fuel Oils, **05.03**
- D6427/D6427M-10** Practice for Handling, Transportation, and Storage of HFC-236fa, 1,1,1,3,3,3-Hexafluoropropane (CF<sub>3</sub>CH<sub>2</sub>CF<sub>3</sub>), **15.05**
- D6428 Withdrawn 2006; Test Method for Total Sulfur in Liquid Aromatic Hydrocarbons and Their Derivatives by Oxidative Combustion and Electrochemical Detection*
- D6429-99(2011)\*<sup>1</sup>** Guide for Selecting Surface Geophysical Methods, **04.09**
- D6430-99(2010)** Guide for Using the Gravity Method for Subsurface Investigation, **04.09**
- D6431-99(2010)** Guide for Using the Direct Current Resistivity Method for Subsurface Investigation, **04.09**
- D6432-11** Guide for Using the Surface Ground Penetrating Radar Method for Subsurface Investigation, **04.09**
- D6433-11** Practice for Roads and Parking Lots Pavement Condition Index Surveys, **04.03**
- D6434-12** Guide for the Selection of Test Methods for Flexible Polypropylene Geomembranes, **04.13**
- D6435 Withdrawn 2007; Test Method for Shear Properties of Plastic Lumber and Plastic Lumber Shapes; Replaced by D2344*
- D6436-14** Guide for Reporting Properties for Plastics and Thermoplastic Elastomers, **08.03**
- D6437-05(2010)\*<sup>1</sup>** Test Method for Polyurethane Raw Materials: Alkalinity in Low-Alkalinity Polyols (Determination of CFR Values of Polyols), **08.03**
- D6438-05(2010)** Test Method for Acetone, Methyl Acetate, and Parachloroben-

- zotrifluoride Content of Paints, and Coatings by Solid Phase Microextraction-Gas Chromatography, **06.01**
- D6439-11** Guide for Cleaning, Flushing, and Purification of Steam, Gas, and Hydroelectric Turbine Lubrication Systems, **05.03**
- D6440-10** Terminology Relating to Hydrocarbon Resins, **06.01**
- D6441-05(2010)** Test Methods for Measuring the Hiding Power of Powder Coatings, **06.02**
- D6442-06(2012)** Test Method for Determination of Copper Release Rate From Antifouling Coatings in Substitute Ocean Water, **06.02**
- D6443-04(2010)** Test Method for Determination of Calcium, Chlorine, Copper, Magnesium, Phosphorus, Sulfur, and Zinc in Unused Lubricating Oils and Additives by Wavelength Dispersive X-ray Fluorescence Spectrometry (Mathematical Correction Procedure), **05.03**
- D6444 Withdrawn 1999; Test Method for Sulfur in Gasoline by Wavelength Dispersive X-Ray Fluorescence*
- D6445 Withdrawn 2009; Test Method for Sulfur in Gasoline by Energy-Dispersive X-ray Fluorescence Spectrometry*
- D6446 Withdrawn 2012; Test Method for Estimation of Net Heat of Combustion (Specific Energy) of Aviation Fuels*
- D6447-09** Test Method for Hydroperoxide Number of Aviation Turbine Fuels by Voltammetric Analysis, **05.03**
- D6448-09** Specification for Industrial Burner Fuels from Used Lubricating Oils, **05.03**
- D6449-99(2008)** Test Method for Flow of Fine Aggregate Concrete for Fabric Formed Concrete (Flow Cone Method), **04.09**
- D6450-12** Test Method for Flash Point by Continuously Closed Cup (CCCFP) Tester, **05.03**
- D6451-99(2006)** Guide for Application of Asphalt Based Protection Board, **04.04**
- D6452-99(2012)<sup>1</sup>** Guide for Purging Methods for Wells Used for Groundwater Quality Investigations, **04.09**
- D6453 Withdrawn 2008; Guide for Format of Computerized Exchange of Soil and Rock Test Data*
- D6454-99(2011)** Test Method for Determining the Short-Term Compression Behavior of Turf Reinforcement Mats (TRMs), **04.13**
- D6455-11** Guide for the Selection of Test Methods for Prefabricated Bituminous Geomembranes (PBGm), **04.13**
- D6456-10** Specification for Finished Parts Made from Polyimide Resin, **08.03**
- D6457-08(2013)** Specification for Extruded and Compression Molded Rod and Heavy-Walled Tubing Made from Polytetrafluoroethylene (PTFE), **08.03**
- D6458-12** Tables of Body Measurements for Boys, Sizes 8 to 14 Slim and 8 to 20 Regular, **07.02**
- D6459-11** Test Method for Determination of Rolled Erosion Control Product (RECP) Performance in Protecting Hillslopes from Rainfall-Induced Erosion, **04.09**
- D6460-12** Test Method for Determination of Rolled Erosion Control Product (RECP) Performance in Protecting Earthen Channels from Stormwater-Induced Erosion, **04.09**
- D6461-99(2007)<sup>2</sup>** Specification for Silt Fence Materials, **04.09**
- D6462-03(2008)** Practice for Silt Fence Installation, **04.09**
- D6463/D6463M-06(2012)** Test Method for Time to Failure of Pressure Sensitive Articles Under Sustained Shear Loading, **15.10**
- D6464-03a(2009)<sup>1</sup>** Specification for Expandable Foam Adhesives for Fastening Gypsum Wallboard to Wood Framing, **15.06**
- D6465-99(2012)** Guide for Selecting Aerospace and General Purpose Adhesives and Sealants, **15.06**
- D6466-10** Test Method for Diameter of Wool and Other Animal Fibers By Sirolan-Laserscan Fiber Diameter Analyser, **07.02**
- D6467-13** Test Method for Torsional Ring Shear Test to Determine Drained Residual Shear Strength of Cohesive Soils, **04.09**
- D6468-08(2013)** Test Method for High Temperature Stability of Middle Distillate Fuels, **05.03**
- D6469-12** Guide for Microbial Contamination in Fuels and Fuel Systems, **05.03**
- D6470-99(2010)** Test Method for Salt in Crude Oils (Potentiometric Method), **05.03**
- D6471-10** Specification for Recycled Prediluted Aqueous Glycol Base Engine Coolant (50 Volume % Minimum) for Automobile and Light-Duty Service, **15.05**
- D6472-10** Specification for Recycled Glycol Base Engine Coolant Concentrate for Automobile and Light-Duty Service, **15.05**
- D6473-10** Test Method For Specific Gravity And Absorption of Rock For Erosion Control, **04.09**
- D6474-12** Test Method for Determining Molecular Weight Distribution and Molecular Weight Averages of Polyolefins by High Temperature Gel Permeation Chromatography, **08.03**
- D6475-06** Test Method for Measuring Mass Per Unit Area of Erosion Control Blankets, **04.09**
- D6476-12** Test Method for Determining Dynamic Air Permeability of Inflatable Restraint Fabrics, **07.02**
- D6477-13** Terminology Relating to Tire Cord, Bead Wire, Hose Reinforcing Wire, and Fabrics, **07.02**
- D6478-10(2014)** Test Method for Determining Specific Packability of Fabrics Used in Inflatable Restraints, **07.02**
- D6479-12** Test Method for Determining the Edgcomb Resistance of Woven Fabrics Used in Inflatable Restraints, **07.02**
- D6480-05(2010)** Test Method for Wipe Sampling of Surfaces, Indirect Preparation, and Analysis for Asbestos Structure Number Surface Loading by Transmission Electron Microscopy, **11.07**
- D6481-99(2010)** Test Method for Determination of Phosphorus, Sulfur, Calcium, and Zinc in Lubrication Oils by Energy Dispersive X-ray Fluorescence Spectroscopy, **05.03**
- D6482-06(2011)** Test Method for Determination of Cooling Characteristics of Aqueous Polymer Quenchants by Cooling Curve Analysis with Agitation (Tensi Method), **05.03**
- D6483 Withdrawn 2009; Test Method for Evaluation of Diesel Engine Oils in T-9 Diesel Engine*
- D6484/D6484M-14** Test Method for Open-Hole Compressive Strength of Polymer Matrix Composite Laminates, **15.03**
- D6485-11** Guide for Risk Characterization of Acute and Irritant Effects of Short-Term Exposure to Volatile Organic Chemicals Emitted from Bedding Sets, **11.07**
- D6486-01(2011)** Practice for Short Term Vehicle Service Exposure of Automotive Coatings, **06.02**
- D6487-10** Practice for Preparing Prints of Paste Printing Inks Using a Hand Operated Laboratory Flat-Bed Press, **06.02**
- D6488-08(2013)** Terminology Relating to Print Problems, **06.02**
- D6489-99(2012)** Test Method for Determining the Water Absorption of Hardened Concrete Treated With a Water Repellent Coating, **06.02**
- D6490-99(2006)** Test Method for Water Vapor Transmission of NonFilm Forming Treatments Used on Cementitious Panels, **06.02**
- D6491-09** Practice for Evaluation of Aging Resistance of Prestressed Preapainted Metal In a Dry Heat Test, **06.02**
- D6492-99(2011)** Practice for Detection of Hexavalent Chromium On Zinc and Zinc/Aluminum Alloy Coated Steel, **06.02**
- D6493-11** Test Methods for Softening Point of Hydrocarbon Resins and Rosin Based Resins by Automated Ring-and-Ball Apparatus, **06.03**
- D6494-99(2010)** Test Method for Determination of Asphalt Fume Particulate Matter in Workplace Atmospheres as Benzene Soluble Fraction, **11.07**
- D6495-09** Guide for Acceptance Testing Requirements for Geosynthetic Clay Liners, **04.13**
- D6496-04a(2009)** Test Method for Determining Average Bonding Peel Strength Between Top and Bottom Layers of Needle-Punched Geosynthetic Clay Liners, **04.13**
- D6497-02(2010)** Guide for Mechanical Attachment of Geomembrane to Penetrations or Structures, **04.13**
- D6498-99(2007)** Guide for Household Hazardous Waste Training Outline for Household Hazardous Waste Collection Operations, **11.04**
- D6499-12** Test Method for The Immunological Measurement of Antigenic Protein in Natural Rubber and its Products, **09.02**
- D6500-00(2012)<sup>1</sup>** Test Method for Diameter of Wool and Other Animal Fibers Using an Optical Fiber Diameter Analyser, **07.02**
- D6501-09** Test Method for Phosphonate in Brines, **11.01**
- D6502-10** Test Method for Measurement of On-line Integrated Samples of Low Level Suspended Solids and Ionic Solids in Process Water by X-Ray Fluorescence (XRF), **11.01**
- D6503-99(2009)** Test Method for Enterococci in Water Using Enterolert, **11.02**
- D6504-11** Practice for On-Line Determination of Cation Conductivity in High Purity Water, **11.01**
- D6505-00(2012)** Test Method for Assay of, **15.05**
- D6506-01(2009)** Specification for Asphalt Based Protection Board for Below-Grade Waterproofing, **04.04**
- D6507-11** Practice for Fiber Reinforcement Orientation Codes for Composite Materials, **15.03**
- D6508-10** Test Method for Determination of Dissolved Inorganic Anions in Aqueous Matrices Using Capillary Ion Electrophoresis and Chromate Electrolyte, **11.02**
- D6509/D6509M-09** Specification for Atactic Polypropylene (APP) Modified Bituminous Base Sheet Materials Using Glass Fiber Reinforcements, **04.04**
- D6510-00(2006)** Guide for Selection of Asphalt Used in Built-Up Roofing Systems, **04.04**
- D6511/D6511M-06(2011)<sup>1</sup>** Test Methods for Solvent Bearing Bituminous Compounds, **04.04**
- D6512-07(2014)** Practice for Interlaboratory Quantitation Estimate, **11.01**
- D6513-08** Practice for Calculating the Superimposed Load on Wood-frame Walls for Standard Fire-Resistance Tests, **04.10**
- D6514-03(2008)** Test Method for High Temperature Universal Oxidation Test for Turbine Oils, **05.03**
- D6515-00(2010)** Test Method for Rubber Shaft Seals Determination of Recovery From Bending, **09.02**
- D6516 Not Assigned*
- D6517-00(2012)<sup>1</sup>** Guide for Field Preservation of Groundwater Samples, **04.09**
- D6518 Withdrawn 2008; Practice for Bias Testing a Mechanical Coal Sampling System; Replaced by D7430*
- D6519-08** Practice for Sampling of Soil Using the Hydraulically Operated Stationary Piston Sampler, **04.09**
- D6520-06(2012)** Practice for the Solid Phase Micro Extraction (SPME) of Water and its Headspace for the Analysis of Volatile and Semi-Volatile Organic Compounds, **11.02**
- D6521-13** Practice for Accelerated Aging of Asphalt Binder Using a Pressurized Aging Vessel (PAV), **04.03**
- D6522-11** Test Method for Determination of Nitrogen Oxides, Carbon Monoxide, and Oxygen Concentrations in Emissions from Natural Gas-Fired Reciprocating Engines, Combustion Turbines, Boilers, and Process Heaters Using Portable Analyzers, **11.07**
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- D6524-00(2011)** Test Method for Measuring the Resiliency of Turf Reinforcement Mats (TRMs), **04.13**
- D6525-12** Test Method for Measuring Nominal Thickness of Rolled Erosion Control Products, **04.13**
- D6526-12** Test Method for Analysis of Toluene by Capillary Column Gas Chromatography, **06.04**
- D6527-00(2008)** Test Method for Determining Unsaturated and Saturated Hydraulic Conductivity in Porous Media by Steady-State Centrifugation, **04.09**
- D6528-07** Test Method for Consolidated Undrained Direct Simple Shear Testing of Cohesive Soils, **04.09**
- D6529-11** Test Method for Operating Performance of Continuous Electrodeionization Systems on Feeds from 501000 S/cm, **11.02**
- D6530-00(2013)** Test Method for Total Active Biomass in Cooling Tower Waters (Kool Kount Assay; KKA), **11.02**
- D6531-00(2010)** Test Method for Relative Tinting Strength of Aqueous Ink Systems by Instrumental Measurement, **06.02**
- D6532-00(2006)** Test Method for Evaluation of the Effect of Clear Water Repellent Treatments on Water Absorption of Hydraulic Cement Mortar Specimens, **06.02**
- D6533 Not Assigned*
- D6534-05(2010)** Test Method for Determining the Peak Force-to-Actuate of a Mechanical Pump Dispenser, **15.10**
- D6535/D6535M-05(2010)\*<sup>1</sup>** Test Method for Determining the Dip Tube Length of a Mechanical Pump Dispenser, **15.10**
- D6536/D6536M-00(2010)\*<sup>1</sup>** Test Method for Measuring the Dip Tube Length of a Mechanical Pump Dispenser, **15.10**
- D6537-00(2014)** Practice for Instrumented Package Shock Testing For Determination of Package Performance, **15.10**
- D6538-12** Guide for Sampling Wastewater With Automatic Samplers, **11.04**
- D6539-13** Test Method for Measurement of the Permeability of Unsaturated Porous Materials by Flowing Air, **04.09**
- D6540-12** Test Method for Accelerated Soiling of Pile Yarn Floor Covering, **07.02**
- D6541-11** Specification for HFC-236fa, 1,1,1,3,3,3-Hexafluoropropane, (CF<sub>3</sub>CH<sub>2</sub>CF<sub>3</sub>), **15.05**
- D6542-05(2010)** Practice for Tonnage Calculation of Coal in a Stockpile, **05.06**
- D6543-14a** Guide to the Evaluation of Measurements Made by Online Coal Analyzers, **05.06**
- D6544-12** Practice for Preparation of Textiles Prior to Ultraviolet (UV) Transmission Testing, **07.02**
- D6545-10** Test Method for Flammability of Textiles Used In Children's Sleepwear, **07.02**
- D6546-00(2010)** Test Methods for and Suggested Limits for Determining Compatibility of Elastomer Seals for Industrial Hydraulic Fluid Applications, **05.03**
- D6547-00(2010)** Test Method for Corrosiveness of Lubricating Fluid to Bimetallic Couple, **05.03**
- D6548 Withdrawn 2011; Test Method for Resistance to Mechanical Penetration of Sanitary Tissue Papers (Ball Burst Procedure)*
- D6549-06(2011)** Test Method for Determination of Cooling Characteristics of Quenchants by Cooling Curve Analysis with Agitation (Drayton Unit), **05.03**
- D6550-10** Test Method for Determination of Olefin Content of Gasolines by Supercritical-Fluid Chromatography, **05.03**
- D6551/D6551M-05(2011)** Practice for Accelerated Weathering of Pressure-Sensitive Tapes by Xenon-Arc Exposure Apparatus, **15.10**
- D6552-06(2011)** Practice for Controlling and Characterizing Errors in Weighing Collected Aerosols, **11.07**
- D6553-00(2010)** Test Method for Coolant Compatibility of Way Lubricants, **05.03**
- D6554/D6554M-14** Specification for 100 % Cotton Denim Fabrics, **07.02**
- D6555-03(2008)** Guide for Evaluating System Effects in Repetitive-Member Wood Assemblies, **04.10**
- D6556-10** Test Method for Carbon Black—Total and External Surface Area by Nitrogen Adsorption, **09.01**
- D6557-13** Test Method for Evaluation of Rust Preventive Characteristics of Automotive Engine Oils, **05.03**
- D6558-00a(2010)** Test Method for Determination of TGA CO, **05.03**
- D6559-00a(2010)** Test Method for Determination of Thermogravimetric (TGA) Air Reactivity of Baked Carbon Anodes and Cathode Blocks, **05.03**
- D6560-12** Test Method for Determination of Asphaltenes (Heptane Insolubles) in Crude Petroleum and Petroleum Products, **05.03**
- D6561-06(2011)** Test Method for Determination of Aerosol Monomeric and Oligomeric Hexamethylene Diisocyanate (HDI) in Air with (Methoxy-2-phenyl-1) Piperazine (MOPIP) in the Workplace, **11.07**
- D6562-12** Test Method for Determination of Gaseous Hexamethylene Diisocyanate (HDI) in Air with 9-(N-methylaminomethyl) Anthracene Method (MAMA) in the Workplace, **11.07**
- D6563-12** Test Method for Benzene, Toluene, Xylene (BTX) Concentrates Analysis by Gas Chromatography, **06.04**
- D6564-00(2012)\*<sup>1</sup>** Guide for Field Filtration of Groundwater Samples, **04.09**
- D6565-00(2005)** Test Method for Determination of Water (Moisture) Content of Soil by the Time-Domain Reflectometry (TDR) Method, **04.09**
- D6566-12** Test Method for Measuring Mass per Unit Area of Turf Reinforcement Mats, **04.13**
- D6567-00(2006)** Test Method for Measuring the Light Penetration of a Turf Reinforcement Mat (TRM), **04.13**
- D6568-00(2011)** Guide for Planning, Carrying Out, and Reporting Traceable Chemical Analyses of Water Samples, **11.01**
- D6569-14** Test Method for On-Line Measurement of pH, **11.01**
- D6570-04(2010)** Practice for Assigning Allowable Properties for Mechanically Graded Lumber, **04.10**
- D6571 Withdrawn 2008; Test Method for Determination of Compression Resistance and Recovery Properties of Highloft Nonwoven Fabric Using Static Force Loading*
- D6572-13\*<sup>1</sup>** Test Methods for Determining Dispersive Characteristics of Clayey Soils by the Crumb Test, **04.09**
- D6573/D6573M-13** Specification for General Purpose Wirebound Shipping Boxes, **15.10**
- D6574/D6574M-13** Test Method for Determining the (In-Plane) Hydraulic Transmissivity of a Geosynthetic by Radial Flow, **04.13**
- D6575-00(2006)** Test Method for Determining Stiffness of Geosynthetics Used as Turf Reinforcement Mats (TRMs), **04.13**
- D6576-13** Specification for Flexible Cellular Rubber Chemically Blown, **08.03**
- D6577-06(2011)\*<sup>1</sup>** Guide for Testing Industrial Protective Coatings, **06.02**
- D6578-08** Practice for Determination of Graffiti Resistance, **06.02**
- D6579-11** Practice for Molecular Weight Averages and Molecular Weight Distribution of Hydrocarbon, Rosin and Terpene Resins by Size-Exclusion Chromatography, **06.03**
- D6580-00(2009)** Test Method for The Determination of Metallic Zinc Content in Both Zinc Dust Pigment and in Cured Films of Zinc-Rich Coatings, **06.01**
- D6581-12** Test Methods for Bromate, Bromide, Chlorate, and Chlorite in Drinking Water by Suppressed Ion Chromatography, **11.01**
- D6582 Withdrawn 2012; Guide for Ranked Set Sampling: Efficient Estimation of a Mean Concentration in Environmental Sampling*
- D6583-04(2010)** Test Method for Porosity of Paint Film by Mineral Oil Absorption, **06.02**
- D6584-13** Test Method for Determination of Total Monoglycerides, Total Diglycerides, Total Triglycerides, and Free and Total Glycerin in B-100 Biodiesel Methyl Esters by Gas Chromatography, **05.03**
- D6585-11** Specification for Unsintered Polytetrafluoroethylene (PTFE) Extruded Film or Tape, **08.03**
- D6586-03(2008)** Practice for the Prediction of Contaminant Adsorption On GAC In Aqueous Systems Using Rapid Small-Scale Column Tests, **15.01**
- D6587-12\*<sup>1</sup>** Test Method for Yarn Number Using Automatic Tester, **07.02**
- D6588/D6588M-11** Test Method for Fatigue of Tire Cords (Disc Fatigue Test), **07.02**
- D6589-05(2010)\*<sup>1</sup>** Guide for Statistical Evaluation of Atmospheric Dispersion Model Performance, **11.07**
- D6590/D6590M-00(2012)** Specification for Pressure-Sensitive Tape for Sealing Fiber Containers and Cans, **15.10**
- D6591-11** Test Method for Determination of Aromatic Hydrocarbon Types in Middle Distillates—High Performance Liquid Chromatography Method with Refractive Index Detection, **05.03**
- D6592 Withdrawn 2010; Test Method for Portable Chemiluminescent Water Quality Determination*
- D6593-13b** Test Method for Evaluation of Automotive Engine Oils for Inhibition of Deposit Formation in a Spark-Ignition Internal Combustion Engine Fueled with Gasoline and Operated Under Low-Temperature, Light-Duty Conditions, **05.03**
- D6594-13** Test Method for Evaluation of Corrosiveness of Diesel Engine Oil at 135 °C, **05.03**
- D6595-00(2011)** Test Method for Determination of Wear Metals and Contaminants in Used Lubricating Oils or Used Hydraulic Fluids by Rotating Disc Electrode Atomic Emission Spectrometry, **05.03**
- D6596-00(2011)** Practice for Amulization and Storage of Gasoline and Related Hydrocarbon Materials, **05.03**
- D6597-10** Practice for Assessment of Attaining Clean Up Level for Site Closure, **11.04**
- D6598-11** Guide for Installing and Operating Settlement Platforms for Monitoring Vertical Deformations, **04.09**
- D6599-00(2008)** Practice for Construction of Live Fascines on Slopes, **04.09**
- D6600-00(2013)** Practice for Evaluating Test Sensitivity for Rubber Test Methods, **09.01**
- D6601-12** Test Method for Rubber Properties—Measurement of Cure and After-Cure Dynamic Properties Using a Rotorless Shear Rheometer, **09.01**
- D6602-13** Practice for Sampling and Testing of Possible Carbon Black Fugitive Emissions or Other Environmental Particulate, or Both, **09.01**
- D6603-12** Specification for Labeling of UV-Protective Textiles, **07.02**
- D6604-00(2013)** Practice for Glass Transition Temperatures of Hydrocarbon Resins by Differential Scanning Calorimetry, **06.03**
- D6605-06(2011)** Practice for Determining the Color Stability of Hydrocarbon Resins After Heating, **06.03**
- D6606-00(2010)** Test Method for Viscosity and Yield of Vehicles and Varnishes by the Duke Viscometer, **06.03**
- D6607-00(2009)** Practice for Inclusion of Precision Statement Variation in Specification Limits, **04.03**
- D6608-12** Practice for the Identification of Trinidad Lake Asphalt in Asphalt Mixes, **04.03**
- D6609-08** Guide for Part-Stream Sampling of Coal, **05.06**
- D6610 Withdrawn 2003; Practice for Manually Sampling Coal from Surfaces of a Stockpile; Replaced by D6883*
- D6611-00(2007)** Test Method for Wet and Dry Yarn-on-Yarn Abrasion Resistance, **07.02**
- D6612-00(2011)** Test Method for Yarn Number and Yarn Number Variability Using Automated Tester, **07.02**
- D6613-08(2013)** Practice for Determining the Presence of Sizing in Nylon or Polyester Fabric, **07.02**

- D6614-07(2011)** Test Method for Stretch Properties of Textile Fabrics – CRE Method, **07.02**
- D6615-11a** Specification for Jet B Wide-Cut Aviation Turbine Fuel, **05.03**
- D6616-07(2012)** Test Method for Measuring Viscosity at High Shear Rate by Tapered Bearing Simulator Viscometer at 100°C, **05.03**
- D6617-13** Practice for Laboratory Bias Detection Using Single Test Result from Standard Material, **05.03**
- D6618-10a** Test Method for Evaluation of Engine Oils in Diesel Four-Stroke Cycle Supercharged 1M-PC Single Cylinder Oil Test Engine, **05.03**
- D6619-00(2012)** Practice for Incorporating Pigments by High Speed Dispersion, **06.01**
- D6620-06(2010)** Practice for Asbestos Detection Limit Based on Counts, **11.07**
- D6621-00(2012)** Practice for Performance Testing of Process Analyzers for Aromatic Hydrocarbon Materials, **06.04**
- D6622-01(2009)** Guide for Application of Fully Adhered Hot-Applied Reinforced Waterproofing Systems, **04.04**
- D6623 Withdrawn 2002; Test Method for Determination of Individual Components in Spark Ignition Engine Fuels by High Resolution Gas Chromatography; Replaced by D6729, D6730, D6733*
- D6624-12** Practice for Determining a Flow-Proportioned Average Property Value (FPAPV) for a Collected Batch of Process Stream Material Using Stream Analyzer Data, **05.03**
- D6625-13** Practice for Conducting a Test of Protective Properties of Polish Applied to a Painted Panel Using Fluorescent UV-Condensation Light-and Water-Exposure Apparatus, **15.04**
- D6626-09** Specification for Performance Graded Trinidad Lake Modified Asphalt Binder, **04.03**
- D6627/D6627M-11** Test Method for Determination of a Volatile Distillate Fraction of Cold Asphalt Mixtures, **04.03**
- D6628-03(2010)<sup>-1</sup>** Specification for Color of Pavement Marking Materials, **04.03**
- D6629-01(2012)<sup>-1</sup>** Guide for Selection of Methods for Estimating Soil Loss by Erosion, **04.09**
- D6630-08** Guide for Low Slope Insulated Roof Membrane Assembly Performance, **04.04**
- D6631-05(2011)** Guide for Committee D01 for Conducting an Interlaboratory Study for the Purpose of Determining the Precision of a Test Method, **06.01**
- D6632 Withdrawn 2010; Test Method for Total Copper in Antifouling Paints*
- D6633-05(2010)** Test Method for Basic Functional Stability of a Mechanical Pump Dispenser, **15.10**
- D6634/D6634M-14** Guide for Selection of Purging and Sampling Devices for Groundwater Monitoring Wells, **04.09**
- D6635-01(2007)** Test Method for Performing the Flat Plate Dilatometer, **04.09**
- D6636-01(2011)** Test Method for Determination of Ply Adhesion Strength of Reinforced Geomembranes, **04.13**
- D6637-11** Test Method for Determining Tensile Properties of Geogrids by the Single or Multi-Rib Tensile Method, **04.13**
- D6638-11** Test Method for Determining Connection Strength Between Geosynthetic Reinforcement and Segmental Concrete Units (Modular Concrete Blocks), **04.13**
- D6639-01(2008)** Guide for Using the Frequency Domain Electromagnetic Method for Subsurface Investigations, **04.09**
- D6640-01(2010)** Practice for Collection and Handling of Soils Obtained in Core Barrel Samplers for Environmental Investigations, **11.04**
- D6641/D6641M-09** Test Method for Compressive Properties of Polymer Matrix Composite Materials Using a Combined Loading Compression (CLC) Test Fixture, **15.03**
- D6642-01(2006)** Guide for Comparison of Techniques to Quantify the Soil-Water (Moisture) Flux, **04.09**
- D6643-01(2011)** Test Method for Testing Wood-Base Panel Corner Impact Resistance, **04.10**
- D6644-01(2013)** Test Method for Tension Strength of Sew-Through Flange Buttons, **07.02**
- D6645-01(2010)** Test Method for Methyl (Comonomer) Content in Polyethylene by Infrared Spectrophotometry, **08.03**
- D6646-03(2008)** Test Method for Determination of the Accelerated Hydrogen Sulfide Breakthrough Capacity of Granular and Pelletized Activated Carbon, **15.01**
- D6647-01(2011)** Test Method for Determination of Acid Soluble Iron Via Atomic Absorption, **15.01**
- D6648-08** Test Method for Determining the Flexural Creep Stiffness of Asphalt Binder Using the Bending Beam Rheometer (BBR), **04.03**
- D6649 Not Assigned*
- D6650 Withdrawn 2008; Test Method for Determining the Dynamic Wiping Efficiency, Wet Particle Removal Ability, and Fabric Particle Contribution of Nonwoven Fabrics Used in Cleanrooms*
- D6651 Withdrawn 2008; Test Method for Determining the Rate of Sorption and Sorptive Capacity of Nonwoven Fabrics*
- D6652 Withdrawn 2008; Test Method for Determining Fibrous Debris From Nonwoven Fabrics*
- D6653/D6653M-13** Test Methods for Determining the Effects of High Altitude on Packaging Systems by Vacuum Method, **15.10**
- D6654-05(2010)** Test Method for Basic Storage Stability of a Mechanical Pump Dispenser, **15.10**
- D6655-01(2007)** Terminology Relating to Mechanical Pump Dispensers, **15.10**
- D6656-14a** Test Method for Determination of Chromic Oxide in Wet Blue (Perchloric Acid Oxidation), **15.04**
- D6657-14a** Test Method for pH of Wet Blue, **15.04**
- D6658-08(2013)** Test Method for Volatile Matter (Moisture) of Wet Blue by Oven Drying, **15.04**
- D6659-10** Practice for Sampling and Preparation of Wet Blue for Physical and Chemical Tests, **15.04**
- D6660-01(2007)** Test Method for Freezing Point of Aqueous Ethylene Glycol Base Engine Coolants by Automatic Phase Transition Method, **15.05**
- D6661-10** Practice for Field Collection of Organic Compounds from Surfaces Using Wipe Sampling, **11.04**
- D6662-13** Specification for Polyolefin-Based Plastic Lumber Decking Boards, **08.03**
- D6663-08(2013)** Specification for Woven and Knitted Comforter and Accessory Products for Institutional and Household Use, **07.02**
- D6664 Withdrawn 2010; Specification for Woven, Knitted and Flocked Beds/Spread Products for Institutional and Household Use*
- D6665-09** Practice for Evaluation of Aging Resistance of Pre-stressed Pre-painted Metal in a Boiling Water Test, **06.02**
- D6666-04(2009)** Guide for Evaluation of Aqueous Polymer Quenchants, **05.03**
- D6667-10** Test Method for Determination of Total Volatile Sulfur in Gaseous Hydrocarbons and Liquefied Petroleum Gases by Ultraviolet Fluorescence, **05.03**
- D6668-01(2010)** Test Method for Discrimination Between Flammability Ratings of F = 0 and F = 1, **05.03**
- D6669-12** Practice for Selecting and Constructing Exposure Scenarios for Assessment of Exposures to Alkyd and Latex Interior Paints, **11.07**
- D6670-13** Practice for Full-Scale Chamber Determination of Volatile Organic Emissions from Indoor Materials/Products, **11.07**
- D6671/D6671M-13** Test Method for Mixed Mode I-Mode II Interlaminar Fracture Toughness of Unidirectional Fiber Reinforced Polymer Matrix Composites, **15.03**
- D6672-08** Practice for Formatting Cutting Data to Drive Numerically Controlled Fabric Cutting Machines, **07.02**
- D6673-10** Practice for Sewn Products Pattern Data Interchange—Data Format, **07.02**
- D6674-01(2013)** Guide for Proficiency Test Program for Fabrics, **07.02**
- D6675-01(2011)** Practice for Salt-Accelerated Outdoor Cosmetic Corrosion Testing of Organic Coatings on Automotive Sheet Steel, **06.01**
- D6676 Withdrawn 2010; Test Method for Cathodic Disbonding of Exterior Pipeline Coatings at Elevated Temperatures Using Interior Heating*
- D6676/D6676M-13** Test Method for Cathodic Disbonding of Exterior Pipeline Coatings at Elevated Temperatures Using Interior Heating, **06.02**
- D6677-07(2012)** Test Method for Evaluating Adhesion by Knife, **06.02**
- D6678 Not Assigned*
- D6679 Not Assigned*
- D6680 Not Assigned*
- D6681-13** Test Method for Evaluation of Engine Oils in a High Speed, Single-Cylinder Diesel Engine—Caterpillar 1P Test Procedure, **05.03**
- D6682-08** Test Method for Measuring Shear Stresses of Powders Using Peschl Rotational Split Level Shear Tester, **04.09**
- D6683-08** Test Method for Measuring Bulk Density Values of Powders and Other Bulk Solids as Function of Compressive Stress, **04.09**
- D6684-04(2010)** Specification for Materials and Manufacture of Articulating Concrete Block (ACB) Revetment Systems, **04.09**
- D6685-01(2008)** Guide for the Selection of Test Methods for Fabrics Used for Fabric Formed Concrete (FFC), **04.09**
- D6686-01(2013)** Test Method for Evaluation of Tannin Stain Resistance of Coatings, **06.02**
- D6687-07(2013)** Guide for Testing Printing Ink Vehicles and Components Thereof, **06.03**
- D6688-11** Practice for Relative Resistance of Printed Matter to Liquid Chemicals by a Sandwich Technique, **06.02**
- D6689-01(2011)** Guide for Optimizing, Controlling and Reporting Test Method Uncertainties from Multiple Workstations in the Same Laboratory Organization, **11.01**
- D6690-12** Specification for Joint and Crack Sealants, Hot Applied, for Concrete and Asphalt Pavements, **04.03**
- D6691-09** Test Method for Determining Aerobic Biodegradation of Plastic Materials in the Marine Environment by a Defined Microbial Consortium or Natural Sea Water Inoculum, **08.03**
- D6692 Withdrawn 2010; Test Method for Determining the Biodegradability of Radiolabeled Polymeric Plastic Materials in Seawater*
- D6693-04(2010)** Test Method for Determining Tensile Properties of Nonreinforced Polyethylene and Nonreinforced Flexible Polypropylene Geomembranes, **04.13**
- D6694/D6694M-08(2013)<sup>-1</sup>** Specification for Liquid-Applied Silicone Coating Used in Spray Polyurethane Foam Roofing Systems, **04.04**
- D6695-08** Practice for Xenon-Arc Exposures of Paint and Related Coatings, **06.01**
- D6696-14** Guide for Understanding Cyanide Species, **11.02**
- D6697 Withdrawn 2010; Test Method for Determination for Chemical Oxygen Demand (Manganese III Oxygen Demand) of Water*
- D6698-12** Test Method for On-Line Measurement of Turbidity Below 5 NTU in Water, **11.01**
- D6699-01(2010)** Practice for Sampling Liquids Using Bailers, **11.04**
- D6700-01(2013)** Practice for Use of Scrap Tire-Derived Fuel, **11.04**
- D6701 Withdrawn 2008; Test Method for Determining Water Vapor Transmission Rates Through Nonwoven and Plastic Barriers*
- D6702 Withdrawn 2008; Test Method for Determining the Dynamic Wiping Efficiency of Nonwoven Fabrics Not Used in Cleanrooms*
- D6703-13** Test Method for Automated Heithaus Titrimetry, **04.03**



- D6704-08** Test Method for Determining the Workability of Asphalt Cold Mix Patching Material, **04.03**
- D6705/D6705M-04(2011)<sup>1</sup>** Guide for Repair and Recoat of Spray Polyurethane Foam Roofing Systems, **04.04**
- D6706-01(2013)** Test Method for Measuring Geosynthetic Pullout Resistance in Soil, **04.13**
- D6707-06(2011)** Specification for Circular-Knit Geotextile for Use in Subsurface Drainage Applications, **04.13**
- D6708-13** Practice for Statistical Assessment and Improvement of Expected Agreement Between Two Test Methods that Purport to Measure the Same Property of a Material, **05.03**
- D6709-13** Test Method for Evaluation of Automotive Engine Oils in the Sequence VIII Spark-Ignition Engine (CLR Oil Test Engine), **05.03**
- D6710-02(2012)** Guide for Evaluation of Hydrocarbon-Based Quench Oil, **05.03**
- D6711-01(2008)** Practice for Specifying Rock to Fill Gabions, Revet Mattresses, and Gabion Mattresses, **04.09**
- D6712-01(2009)** Specification for Ultra-High-Molecular-Weight Polyethylene (UHMW-PE) Solid Plastic Shapes, **08.03**
- D6713-01(2009)** Specification for Extruded and Compression Molded Shapes Made from Poly(Vinylidene Fluoride) (PVDF), **08.03**
- D6714-01(2010)<sup>1</sup>** Test Method for Chromic Oxide in Ashed Wet Blue (Perchloric Acid Oxidation), **15.04**
- D6715-13** Practice for Sampling and Preparation of Fresh or Salt-Preserved (Cured) Hides and Skins for Chemical and Physical Tests, **15.04**
- D6716-08(2013)** Test Method for Total Ash in Wet Blue or Wet White, **15.04**
- D6717-07(2012)** Test Method for Linear Density of Elastomeric Yarns (Skein Specimens), **07.02**
- D6718 Withdrawn 2011; Practice for Writing Committee D13 Standards*
- D6719-12** Guide for Standard Test Methods and Practices for Evaluating Pile Yarn Floor Covering, **07.02**
- D6720-07(2012)** Test Method for Evaluation of Recoverable Stretch of Stretch Yarns (Skein Method), **07.02**
- D6721-01(2006)** Test Method for Determination of Chlorine in Coal by Oxidative Hydrolysis Microcoulometry, **05.06**
- D6722-11** Test Method for Total Mercury in Coal and Coal Combustion Residues by Direct Combustion Analysis, **05.06**
- D6723-12** Test Method for Determining the Fracture Properties of Asphalt Binder in Direct Tension (DT), **04.03**
- D6724-04(2010)** Guide for Installation of Direct Push Groundwater Monitoring Wells, **04.09**
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- D6726-01(2007)** Guide for Conducting Borehole Geophysical Logging—Electromagnetic Induction, **04.09**
- D6727-01(2007)** Guide for Conducting Borehole Geophysical Logging—Neutron, **04.09**
- D6728-11** Test Method for Determination of Contaminants in Gas Turbine and Diesel Engine Fuel by Rotating Disc Electrode Atomic Emission Spectrometry, **05.03**
- D6729-04(2009)** Test Method for Determination of Individual Components in Spark Ignition Engine Fuels by 100-Metre Capillary High Resolution Gas Chromatography, **05.03**
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- D6737-12** Test Method for Bulk Density of Tapered Paintbrush Filaments, **06.02**
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- D6759-09** Practice for Sampling Liquids Using Grab and Discrete Depth Samplers, **11.04**
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- D6846-02(2012)** Practice for Preparing Prints of Paste Printing Inks with a Printing Gage, **06.02**
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- D6886-12** Test Method for Determination of the Individual Volatile Organic Compounds (VOCs) in Air-Dry Coatings by Gas Chromatography, **06.01**
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- D6906-12a** Test Method for Determination of Titanium Treatment Weight on Metal Substrates by Wavelength Dispersive X-Ray Fluorescence, **06.02**
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- D6933-13** Test Method for Oversized Particles in Emulsified Asphalts (Sieve Test), **04.03**
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- D6935-11** Test Method for Determining Cement Mixing of Emulsified Asphalt, **04.03**
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- D6959-08** Practice for Data Exchange Format for Sewn Product Plotting Devices, **07.02**
- D6960 Withdrawn 2013; Table of Body Measurements Relating to Women's Plus Size Figure Type, Sizes 14W–32W*
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- D7910-14** Practice for Collection of Fungal Material From Surfaces by Tape Lift, **11.07**
- D7912-14** Test Method for Resistance of Finish to Heat Aging (Finish Stability), **15.04**

## E. MISCELLANEOUS SUBJECTS

- E1-13** Specification for ASTM Liquid-in-Glass Thermometers, **14.03**  
**E2** Withdrawn 1983; *Methods of Preparation of Micrographs of Metals and Alloys (Including Recommended Practice for Photography As Applied to Metallography)*; Replaced by E883
- E3-11** Guide for Preparation of Metallographic Specimens, **03.01**  
**E4-13** Practices for Force Verification of Testing Machines, **03.01**  
**E5** Withdrawn 1937; *Methods of Preparation of Metallographic Specimens*; Replaced by E3
- E6-09b<sup>1</sup>** Terminology Relating to Methods of Mechanical Testing, **03.01**  
**E7-03(2009)** Terminology Relating to Metallography, **03.01**  
**E8M** Withdrawn 2008; *Test Methods for Tension Testing of Metallic Materials [Metric]*
- E8/E8M-13a** Test Methods for Tension Testing of Metallic Materials, **03.01**  
**E9-09** Test Methods of Compression Testing of Metallic Materials at Room Temperature, **03.01**
- E10-12** Test Method for Brinell Hardness of Metallic Materials, **03.01**  
**E11-13** Specification for Woven Wire Test Sieve Cloth and Test Sieves, **14.02**  
**E12** Withdrawn 1996; *Terminology Relating to Density and Specific Gravity of Solids, Liquids, and Gases*; Replaced by E1547  
**E13** Withdrawn 1967; *Definitions of Terms Relating to Screen (Sieve)*  
**E14** Withdrawn 1983; *Recommended Practice for Thermal Analysis of Metals and Alloys*  
**E15** Withdrawn 1949; *Methods of Radiographic Testing of Metal Castings*  
**E16** Withdrawn 1978; *Method of Free Bend Test for Ductility of Welds*  
**E17** Withdrawn 1939; *Specification for Sieves for Testing Purposes (Wire Cloth Sieves, Bound - Hole and Square - Hole Screens or Sieves)*—Replaced by E11
- E18-14** Test Methods for Rockwell Hardness of Metallic Materials, **03.01**  
**E19** Withdrawn 1962; *Classification of Austenite Grain Size in Steels*; Replaced by E112  
**E20** Withdrawn 1994; *Practice for Particle Size Analysis of Particulate Substances in the Range of 0.2 to 75 Micrometres by Optical Microscopy*
- E21-09** Test Methods for Elevated Temperature Tension Tests of Metallic Materials, **03.01**  
**E22** Withdrawn 1959; *Recommended Practice for Conducting Long-Time High-Temperature Tension Test of Metallic Materials*; Replaced by E139
- E23-12c** Test Methods for Notched Bar Impact Testing of Metallic Materials, **03.01**  
**E24** Withdrawn 1968; *Definitions of Terms Relating to Rheological Properties of Matter*  
**E25** Withdrawn 1950; *Method of Quantitative Spectrochemical Analysis of High Grade Pig Lead*  
**E26** Withdrawn 1954; *Method of Quantitative Spectrochemical Analysis of Zinc Base Alloy and High Grade Zinc by the Solution-d-c Arc Technique*  
**E27** Withdrawn 1986; *Method for Spectrographic Analysis of Zinc and Zinc Alloys by the Solution-Residue Technique*
- E28-99(2009)** Test Methods for Softening Point of Resins Derived from Naval Stores by Ring-and-Ball Apparatus, **06.03**  
**E29-13** Practice for Using Significant Digits in Test Data to Determine Conformance with Specifications, **14.02**  
**E30** Withdrawn 1995; *Test Methods for Chemical Analysis of Steel, Cast Iron, Open-Hearth Iron, and Wrought Iron*  
**E31** Withdrawn 1995; *Methods for Chemical Analysis of Ferroalloys*
- E32-86(2006)<sup>1</sup>** Practices for Sampling Ferroalloys and Steel Additives for Determination of Chemical Composition, **03.05**  
**E33** Withdrawn 1959; *Hardness Conversion Table for Cartridge Brass (Relationship Between Diamond Pyramid Hardness, Rockwell Hardness, and Brinell Hardness)*; Replaced by E140
- E34-11<sup>1</sup>** Test Methods for Chemical Analysis of Aluminum and Aluminum-Base Alloys, **03.05**  
**E35** Withdrawn 2008; *Test Methods for Chemical Analysis of Magnesium and Magnesium Alloys*  
**E36** Withdrawn 1980; *Methods for Chemical Analysis of Brasses*; Replaced by E478
- E37-05(2011)** Test Methods for Chemical Analysis of Pig Lead, **03.05**  
**E38** Withdrawn 1989; *Methods for Chemical Analysis of Nickel-Chromium and Nickel-Chromium-Iron Alloys*; Replaced by E353  
**E39** Withdrawn 1995; *Methods for Chemical Analysis of Nickel*  
**E40** Withdrawn 1993; *Test Method for Chemical Analysis of Slab Zinc (Spelter)*; Replaced by E536
- E41-92(2010)** Terminology Relating To Conditioning, **14.04**  
**E42** Redesignated G23  
**E43** Withdrawn 1962; *Recommended Practice for Identification of Crystalline Materials by the Hanawalt X-Ray Diffraction Method*  
**E44** Withdrawn 1993; *Definitions of Terms Relating to Heat Treatment of Metals*; Redesignated A919
- E45-13** Test Methods for Determining the Inclusion Content of Steel, **03.01**  
**E46** Withdrawn 1994; *Test Methods for Chemical Analysis of Lead- and Tin-Base Solder*  
**E47** Withdrawn 1997; *Test Methods for Chemical Analysis of Zinc Die-Casting Alloys*  
**E48** Withdrawn 1959; *Hardness Conversion Table for Steel (Relationship Between Diamond Pyramid Hardness, Rockwell Hardness, and Brinell Hardness)*; Replaced by E140  
**E49** Withdrawn 1950; *Method of Spectrochemical Analysis of Lead Alloys for Minor Constituents and Impurities*
- E50-11** Practices for Apparatus, Reagents, and Safety Considerations for Chemical Analysis of Metals, Ores, and Related Materials, **03.05**  
**E51** Withdrawn 1984; *Method for Spectrographic Analysis of Tin Alloys by the Powder Technique*  
**E52** Withdrawn 1969; *Industrial Radiographic Terminology for Use in Radiographic Inspection of Castings and Weldments*
- E53-07(2013)** Test Method for Determination of Copper in Unalloyed Copper by Gravimetry, **03.05**  
**E54** Withdrawn 2002; *Test Methods for Chemical Analysis of Special Brasses and Bronzes*
- E55-11** Practice for Sampling Wrought Nonferrous Metals and Alloys for Determination of Chemical Composition, **03.05**  
**E56** Withdrawn 1994; *Test Method for Chemical Analysis of Silver Brazing Alloys*  
**E57** Withdrawn 1987; *Methods for Chemical Analysis of White Metal Bearing Alloys*  
**E58** Withdrawn 1951; *Tentative Photometric Method for Determination of Bismuth in Pig Lead; Combined with E 37*  
**E59** Withdrawn 1996; *Practice for Sampling Steel and Iron for Determination of Chemical Composition*
- E60-11** Practice for Analysis of Metals, Ores, and Related Materials by Spectrophotometry, **03.05**  
**E61** Withdrawn 1950; *Methods for Photometry for Chemical Analysis of Magnesium and Magnesium-Base Alloys*; Redesignated E35  
**E62** Withdrawn 2010; *Test Methods for Chemical Analysis of Copper and Copper Alloys (Photometric Methods)*  
**E63** Withdrawn 1951; *Tentative Photometric Method for Chemical Analysis of Copper-Nickel and Copper-Nickel-Zinc Alloys; Combined with E 75*  
**E64** Withdrawn 1957; *Photometric Methods for Determination of Iron in Slab Zinc (Spelter); Combined with E 40*  
**E65** Withdrawn 1951; *Method of Sampling Slab Zinc (Spelter)*  
**E66** Withdrawn 1948; *Method for Sampling Molybdenum Salts and Compounds for Metallurgical Use; Combined with A 146*  
**E67** Withdrawn 1951; *Tentative Photometric Method for Chemical Analysis of Lead, Tin, Antimony and Their Alloys*  
**E68** Withdrawn 1980; *Method for Polarographic Determination of Lead and Cadmium in Zinc*
- E69-02(2007)** Test Method for Combustible Properties of Treated Wood by the Fire-Tube Apparatus, **04.10**  
**E70-07** Test Method for pH of Aqueous Solutions With the Glass Electrode, **15.05**  
**E71** Withdrawn 1974; *Reference Radiographs for Steel Castings up to 2 in. in Thickness*; Replaced by E446
- E72-14a** Test Methods of Conducting Strength Tests of Panels for Building Construction, **04.11**  
**E73-13** Practice for Static Load Testing of Truss Assemblies, **04.11**  
**E74-13a** Practice of Calibration of Force-Measuring Instruments for Verifying the Force Indication of Testing Machines, **03.01**  
**E75** Withdrawn 2010; *Test Methods for Chemical Analysis of Copper-Nickel and Copper-Nickel-Zinc Alloys*  
**E76** Withdrawn 2003; *Test Methods for Chemical Analysis of Nickel-Copper Alloys*
- E77-07** Test Method for Inspection and Verification of Thermometers, **14.03**  
**E78** Withdrawn 1953; *Method of Compression Testing of Metallic Materials; Combined with E 9*  
**E79** Withdrawn 1964; *Methods for Estimating the Average Grain Size of Wrought Copper and Copper-Base Alloys*; Replaced by E112  
**E80** Withdrawn 1986; *Recommended Practice for Dilatometric Analysis of Metallic Materials*; Replaced by E228
- E81-96(2011)** Test Method for Preparing Quantitative Pole Figures, **03.01**  
**E82-09** Test Method for Determining the Orientation of a Metal Crystal, **03.01**  
**E83-10a** Practice for Verification and Classification of Extensometer Systems, **03.01**  
**E84-14** Test Method for Surface Burning Characteristics of Building Materials, **04.07**  
**E85** Withdrawn 1959; *Recommended Practice for Conducting Time-for-Rupture-Tension Tests of Metallic Materials*; Replaced by E139  
**E86** Withdrawn 1983; *Methods for Chemical Analysis of Antimony*  
**E87** Withdrawn 1984; *Methods for Chemical Analysis of Lead, Tin, Antimony and Their Alloys (Photometric Method)*
- E88-11** Practice for Sampling Nonferrous Metals and Alloys in Cast Form for Determination of Chemical Composition, **03.05**  
**E89** Withdrawn 1962; *Methods for Estimating the Average Ferrite Grain Size of Low-Carbon Steels*; Replaced by E112
- E90-09** Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements, **04.06**  
**E91** Withdrawn 1962; *Method for Estimating the Average Grain Size of Non-Ferrous Metals, Other Than Copper, and Their Alloys*; Replaced by E112  
**E92** Withdrawn 2010; *Test Method for Vickers Hardness of Metallic Materials*; Replaced by E384  
**E93** Withdrawn 1959; *Hardness Conversion Table for Nickel and High Nickel Alloys (Relationship Between Diamond Pyramid Hardness, Brinell Hardness, and Rockwell Hardness)*; Replaced by E140
- E94-04(2010)** Guide for Radiographic Examination, **03.03**  
**E95-68(2011)** Specification for Cell-Type Oven with Controlled Rates of Ventilation, **14.04**  
**E96/E96M-13** Test Methods for Water Vapor Transmission of Materials, **04.06**  
**E97** Withdrawn 1992; *Test Method for Directional Reflectance Factor, 45° 0°*

- of Opaque Specimens by Broad-Band Filter Reflectometry; Replaced by E1347
- E98 *Withdrawn 1965; Reference Radiographs for Inspection of Aluminum and Magnesium Castings; Replaced by E155*
- E99 *Withdrawn 1973; Reference Radiographs for Steel Welds; Replaced by E390*
- E100-10** Specification for ASTM Hydrometers, **14.03**
- E101 *Withdrawn 1996; Test Method for Spectrographic Analysis of Aluminum and Aluminum Alloys by the Point-to-Plane Technique*
- E102/E102M-93(2009)** Test Method for Saybolt Furol Viscosity of Bituminous Materials at High Temperatures, **04.04**
- E103-12** Practice for Rapid Indentation Hardness Testing of Metallic Materials, **03.01**
- E104-02(2012)** Practice for Maintaining Constant Relative Humidity by Means of Aqueous Solutions, **11.07**
- E105-10** Practice for Probability Sampling of Materials, **14.02**
- E106 *Withdrawn 2011; Test Methods for Chemical Analysis of Copper-Beryllium Alloys*
- E107 *Withdrawn 2003; Test Methods for Chemical Analysis of Electronic Nickel*
- E108-11** Test Methods for Fire Tests of Roof Coverings, **04.07**
- E109 *Withdrawn 1981; Method for Dry Powder Magnetic Particle Inspection; Replaced by E709*
- E110-10** Test Method for Indentation Hardness of Metallic Materials by Portable Hardness Testers, **03.01**
- E111-04(2010)** Test Method for Young's Modulus, Tangent Modulus, and Chord Modulus, **03.01**
- E112-13** Test Methods for Determining Average Grain Size, **03.01**
- E113 *Withdrawn 1981; Recommended Practice for Ultrasonic Testing by the Resonance Method*
- E114-10** Practice for Ultrasonic Pulse-Echo Straight-Beam Contact Testing, **03.03**
- E115 *Withdrawn 2003; Practice for Photographic Processing in Optical Emission Spectrographic Analysis*
- E116 *Withdrawn 2002; Practice for Photographic Photometry in Spectrochemical Analysis*
- E117 *Withdrawn 1995; Method for Spectrographic Analysis of Pig Lead by the Point-To-Plane Technique*
- E118 *Withdrawn 2010; Test Methods for Chemical Analysis of Copper-Chromium Alloys*
- E119-12a** Test Methods for Fire Tests of Building Construction and Materials, **04.07**
- E120 *Withdrawn 2003; Test Methods for Chemical Analysis of Titanium and Titanium Alloys*
- E121 *Withdrawn 2010; Test Methods for Chemical Analysis of Copper-Tellurium Alloys*
- E122-09<sup>1</sup>** Practice for Calculating Sample Size to Estimate, With Specified Precision, the Average for a Characteristic of a Lot or Process, **14.02**
- E123-02(2012)** Specification for Apparatus for Determination of Water by Distillation, **14.04**
- E124-94(2010)** Specification for Weighing and Drying Apparatus for Microchemical Analysis, **14.04**
- E125-63(2013)** Reference Photographs for Magnetic Particle Indications on Ferrous Castings, **03.03**
- E126-13a** Test Method for Inspection, Calibration, and Verification of ASTM Hydrometers, **14.03**
- E127-10** Practice for Fabricating and Checking Aluminum Alloy Ultrasonic Standard Reference Blocks, **03.03**
- E128-99(2011)** Test Method for Maximum Pore Diameter and Permeability of Rigid Porous Filters for Laboratory Use, **14.04**
- E129 *Withdrawn 1999; Test Method for Spectrographic Analysis of Thermionic Nickel Alloys by the Powder Technique*
- E130 *Withdrawn 2013; Practice for Designation of Shapes and Sizes of Graphite Electrodes*
- E131-10** Terminology Relating to Molecular Spectroscopy, **03.06**
- E132-04(2010)** Test Method for Poisson's Ratio at Room Temperature, **03.01**
- E133-92(2010)** Specification for Distillation Equipment, **14.04**
- E134 *Withdrawn 1987; Specification for Pensky-Martens Closed Flash Tester*
- E135-14a** Terminology Relating to Analytical Chemistry for Metals, Ores, and Related Materials, **03.05**
- E136-12** Test Method for Behavior of Materials in a Vertical Tube Furnace at 750°C, **04.07**
- E137 *Withdrawn 1992; Practice for Evaluation of Mass Spectrometers for Quantitative Analysis from a Batch Inlet*
- E138 *Withdrawn 1981; Method for Wet Magnetic Particle Inspection; Replaced by E709*
- E139-11** Test Methods for Conducting Creep, Creep-Rupture, and Stress-Rupture Tests of Metallic Materials, **03.01**
- E140-12b<sup>1</sup>** Hardness Conversion Tables for Metals Relationship Among Brinell Hardness, Vickers Hardness, Rockwell Hardness, Superficial Hardness, Knoop Hardness, Scleroscope Hardness, and Leeb Hardness, **03.01**
- E141-10** Practice for Acceptance of Evidence Based on the Results of Probability Sampling, **14.02**
- E142 *Withdrawn 2000; Method for Controlling Quality of Radiographic Testing; Replaced by E94*
- E143-13** Test Method for Shear Modulus at Room Temperature, **03.01**
- E144-94(2011)** Practice for Safe Use of Oxygen Combustion Bombs, **14.04**
- E145-94(2011)** Specification for Gravity-Convection and Forced-Ventilation Ovens, **14.04**

- E146 *Withdrawn 1991; Methods for Chemical Analysis of Zirconium and Zirconium Alloys*
- E147-61(2011)** Specification for Apparatus for Microdetermination of Nitrogen by Kjeldahl Method, **14.04**
- E148 *Withdrawn 1987; Specification for Apparatus for Microdetermination of Nitrogen by the Dumas Method*
- E149 *Withdrawn 1980; Method of Test for Bond Strength of Mortar to Masonry Units; Redesignated C952*
- E150 *Withdrawn 1984; Recommended Practice for Conducting Creep and Creep-Rupture Tension Tests of Metallic Materials Under Conditions of Rapid Heating and Short Times*
- E151 *Withdrawn 1984; Recommended Practice for Tension Tests of Metallic Materials at Elevated Temperatures with Rapid Heating and Conventional or Rapid Strain Rates*
- E152 *Withdrawn 1995; Methods of Fire Tests of Door Assemblies*
- E153 *Withdrawn 1967; Method of Test for Bulk Density of Abrasive Grains*
- E154/E154M-08a(2013)<sup>1</sup>** Test Methods for Water Vapor Retarders Used in Contact with Earth Under Concrete Slabs, on Walls, or as Ground Cover, **04.11**
- E155-10** Reference Radiographs for Inspection of Aluminum and Magnesium Castings, **03.03**
- E156 *Withdrawn 1993; Test Method for Determination of Phosphorus In High-Phosphorus Brazing Alloys (Photometric Method)*
- E157 *Withdrawn 1999; Practice for Assigning Crystallographic Phase Designations in Metallic Systems*
- E158 *Withdrawn 2004; Practice for Fundamental Calculations to Convert Intensities into Concentrations in Optical Emission Spectrochemical Analysis*
- E159-10** Test Method for Loss of Mass in a Reducing Gas Atmosphere for Cobalt, Copper, Tungsten, and Iron Powders (Hydrogen Loss), **02.05**
- E160 *Withdrawn 1993; Test Method for Combustible Properties of Treated Wood by the Crib Test*
- E161-12** Specification for Precision Electroformed Sieves, **14.02**
- E162-13** Test Method for Surface Flammability of Materials Using a Radiant Heat Energy Source, **04.07**
- E163 *Withdrawn 1995; Methods of Fire Tests of Window Assemblies*
- E164-13** Practice for Contact Ultrasonic Testing of Weldments, **03.03**
- E165/E165M-12** Practice for Liquid Penetrant Examination for General Industry, **03.03**
- E166 *Withdrawn 1978; Recommended Practice for Goniophotometry of Transmitting Objects and Materials; Replaced by E167*
- E167 *Withdrawn 2005; Practice for Goniophotometry of Objects and Materials*
- E168-06** Practices for General Techniques of Infrared Quantitative Analysis, **03.06**
- E169-04(2014)** Practices for General Techniques of Ultraviolet-Visible Quantitative Analysis, **03.06**
- E170-10** Terminology Relating to Radiation Measurements and Dosimetry, **12.02**
- E171/E171M-11** Practice for Conditioning and Testing Flexible Barrier Packaging, **15.10**
- E172 *Withdrawn 2001; Practice for Describing and Specifying the Excitation Source in Emission Spectrochemical Analysis*
- E173 *Withdrawn 1997; Practice for Conducting Interlaboratory Studies of Methods for Chemical Analysis of Metals*
- E174 *Withdrawn 1968; Method of Test for Oxygen in Molybdenum*
- E175-82(2010)** Terminology of Microscopy, **03.01**
- E176-14b** Terminology of Fire Standards, **04.07**
- E177-14** Practice for Use of the Terms Precision and Bias in ASTM Test Methods, **14.02**
- E178-08** Practice for Dealing With Outlying Observations, **14.02**
- E179-12** Guide for Selection of Geometric Conditions for Measurement of Reflection and Transmission Properties of Materials, **06.01**
- E180 *Withdrawn 2009; Practice for Determining the Precision of ASTM Methods for Analysis and Testing of Industrial and Specialty Chemicals*
- E181-10** Test Methods for Detector Calibration and Analysis of Radionuclides, **12.02**
- E182 *Withdrawn 1981; Methods for Analysis of Phosphorus-32*
- E183 *Withdrawn 1975; Recommended Practice for Determining Changes in Chemical Reactivity of Inorganic Materials Exposed to High-Energy Radiation*
- E184 *Withdrawn 2002; Practice for Effects of High-Energy Neutron Radiation on the Mechanical Properties of Metallic Materials, E706 (IB)*
- E185-10** Practice for Design of Surveillance Programs for Light-Water Moderated Nuclear Power Reactor Vessels, **12.02**
- E186-10** Reference Radiographs for Heavy-Walled (2 to 4 1/2-in. (50.8 to 114-mm)) Steel Castings, **03.03**
- E187 *Withdrawn 1970; Recommended Practice for Conducting Natural Light (Sunlight and Daylight) Exposures Under Glass; Redesignated G24*
- E188 *Withdrawn 1971; Recommended Practice for Operating Enclosed Carbon-Arc Type Apparatus for Light Exposure of Nonmetallic Materials; Replaced by G23*
- E189 *Withdrawn 1988; Recommended Practice for Determining Temperature-Electrical Resistance Characteristics (EMF) of Metallic Materials*
- E190-92(2008)** Test Method for Guided Bend Test for Ductility of Welds, **03.01**
- E191-64(2011)** Specification for Apparatus For Microdetermination of Carbon and, **14.04**
- E192-13** Reference Radiographs of Investment Steel Castings for Aerospace Applications, **03.03**
- E193-94(2010)** Specification for Laboratory Glass Micropipets, **14.04**

- E194-10** Test Method for Acid-Insoluble Content of Copper and Iron Powders, **02.05**  
*E195 Withdrawn 1984; Methods for Chemical Analysis of Reactor and Commercial Columbiun*
- E196-06(2012)** Practice for Gravity Load Testing of Floors and Low Slope Roofs, **04.11**  
*E197 Withdrawn 1981; Specification for Enclosures and Servicing Units for Tests Above and Below Room Temperature*
- E198** *Withdrawn 1968; Method for Radiochemical Determination of Cesium-137 in Aqueous Solutions*
- E199** *Withdrawn 1966; Recommended Practice for Measuring Neutron Flux Environment for Reactor Irradiated Specimens; Replaced by E261 to E266*
- E200-08** Practice for Preparation, Standardization, and Storage of Standard and Reagent Solutions for Chemical Analysis, **15.05**  
*E201 Withdrawn 2001; Test Method for Calculation of Volume and Weight of Industrial Chemical Liquids*
- E202-12** Test Methods for Analysis of Ethylene Glycols and Propylene Glycols, **15.05**
- E203-08** Test Method for Water Using Volumetric Karl Fischer Titration, **15.05**  
*E204 Withdrawn 2014; Practices for Identification of Material by Infrared Absorption Spectroscopy, Using the ASTM Coded Band and Chemical Classification Index*
- E205-96(2010)** Specification for Glass and Oxygen Combustion Flask, **14.04**  
*E206 Withdrawn 1988; Definitions of Terms Relating to Fatigue Testing and the Statistical Analysis of Fatigue Data; Replaced by E1150*
- E207-08** Test Method for Thermal EMF Test of Single Thermoemleant Materials by Comparison with a Reference Thermoemleant of Similar EMF-Temperature Properties, **14.03**
- E208-06(2012)** Test Method for Conducting Drop-Weight Test to Determine Nil-Ductility Transition Temperature of Ferritic Steels, **03.01**
- E209-00(2010)** Practice for Compression Tests of Metallic Materials at Elevated Temperatures with Conventional or Rapid Heating Rates and Strain Rates, **03.01**
- E210-63(2010)** Specification for Microscope Objective Thread, **14.04**
- E211-82(2010)** Specification for Cover Glasses and Glass Slides for Use in Microscopy, **14.04**  
*E212 Withdrawn 1997; Test Method for Spectrographic Analysis of Carbon and Low-Alloy Steel by the Rod-to-Rod Technique*
- E213-14** Practice for Ultrasonic Testing of Metal Pipe and Tubing, **03.03**  
*E214 Withdrawn 2007; Practice for Immersed Ultrasonic Testing by the Reflection Method Using Pulsed Longitudinal Waves*
- E215-11** Practice for Standardizing Equipment for Electromagnetic Testing of Seamless Aluminum-Alloy Tube, **03.03**  
*E216 Withdrawn 1969; Recommended Practice for Measuring Coating Thickness by Magnetic or Electromagnetic Methods; Replaced by E376*
- E217** *Withdrawn 1992; Test Method for Uranium by Controlled-Potential Coulometry*
- E218** *Withdrawn 1968; Method for Radiochemical Determination of Cesium-137 in Aqueous Solutions (Chloroplatinate Method)*
- E219** *Withdrawn 2001; Test Method for Atom Percent Fission in Uranium Fuel (Radiochemical Method)*
- E220-13** Test Method for Calibration of Thermocouples By Comparison Techniques, **14.03**  
*E221 Withdrawn 1968; Definitions of Terms Relating to Carbon Paper and Luked Ribbon Products and Images Made Therefrom; Redesignated F221*
- E222-10** Test Methods for Hydroxyl Groups Using Acetic Anhydride Acetylation, **15.05**
- E223-08** Test Methods for Analysis of Sulfuric Acid, **15.05**
- E224-08** Test Methods for Analysis of Hydrochloric Acid, **15.05**  
*E225 Withdrawn 1983; Method for Spectrographic Determination of Magnesium in Cast Iron by the Solution-Rotating Disk Technique*
- E226** *Withdrawn 1987; Method for Spectrochemical Analysis of Magnesium Alloys for Calcium by Flame Photometry*
- E227** *Withdrawn 2002; Test Method for Optical Emission Spectrometric Analysis of Aluminum and Aluminum Alloys by the Point-to-Plane Technique*
- E228-11** Test Method for Linear Thermal Expansion of Solid Materials With a Push-Rod Dilatometer, **14.02**  
*E229 Withdrawn 2003; Test Method for Shear Strength and Shear Modulus of Structural Adhesives*
- E230/E230M-12** Specification and Temperature-Electromotive Force (emf) Tables for Standardized Thermocouples, **14.03**  
*E231 Withdrawn 1985; Method for Static Determination of Young's Modulus of Metals at Low and Elevated Temperatures*
- E232 Redesignated F232*  
*E233 Withdrawn 1996; Test Method for Assay of n-Butyllithium Solutions*  
*E234 Withdrawn 2009; Test Method for Total Bromine Number of Unsaturated Aliphatic Chemicals*
- E235/E235M-12** Specification for Type K and Type N Mineral-Insulated, Metal-Sheathed Thermocouples for Nuclear or for Other High-Reliability Applications, **14.03**
- E236-66(2011)** Specification for Apparatus for Microdetermination of Alkoxyl Groups, **14.04**
- E237-02(2012)** Specification for Laboratory Glass Microvolumetric Vessels (Volumetric Flasks and Centrifuge Tubes), **14.04**
- E238-12** Test Method for Pin-Type Bearing Test of Metallic Materials, **03.01**  
*E239 Redesignated G26*  
*E240 Redesignated G27*
- E241-09(2014)\*<sup>1</sup>** Guide for Limiting Water-Induced Damage to Buildings, **04.11**
- E242-01(2010)** Reference Radiographs for Appearances of Radiographic Images as Certain Parameters are Changed, **03.03**
- E243-13** Practice for Electromagnetic (Eddy Current) Examination of Copper and Copper-Alloy Tubes, **03.03**  
*E244 Withdrawn 2001; Test Method for Atom Percent Fission in Uranium and Plutonium Fuel (Mass Spectrometric Method)*
- E245** *Withdrawn 1968; Method for Colorimetric Determination of Uranium in Aqueous Solutions; Replaced by E318*
- E246-10** Test Methods for Determination of Iron in Iron Ores and Related Materials by Dichromate Titrimetry, **03.05**
- E247-01(2010)** Test Method for Determination of Silica in Manganese Ores, Iron Ores, and Related Materials by Gravimetry, **03.05**
- E248-12** Test Method for Determination of Manganese in Manganese Ores by Pyrophosphate Complexed Permanganate Potentiometric Titrimetry, **03.05**  
*E249 Withdrawn 1974; Specification for Standard Tire for Pavement Skid Resistance Tests; Replaced by E112*
- E250** *Withdrawn 2014; Practice for Use of CODEN*
- E251-92(2009)** Test Methods for Performance Characteristics of Metallic Bonded Resistance Strain Gauges, **03.01**
- E252-06(2013)** Test Method for Thickness of Foil, Thin Sheet, and Film by Mass Measurement, **02.02**
- E253-13a** Terminology Relating to Sensory Evaluation of Materials and Products, **15.08**  
*E254 Redesignated F254*
- E255-07** Practice for Sampling Copper and Copper Alloys for the Determination of Chemical Composition, **03.05**
- E256-09** Test Method for Chlorine in Organic Compounds by Sodium Peroxide Bomb Ignition, **15.05**  
*E257 Withdrawn 2009; Test Method for Sulfur in Organic Compounds by Sodium Peroxide Bomb Ignition*
- E258-07** Test Method for Total Nitrogen in Organic Materials by Modified Kjeldahl Method, **15.05**
- E259-06(2011)** Practice for Preparation of Pressed Powder White Reflectance Factor Transfer Standards for Hemispherical and Bi-Directional Geometries, **06.01**
- E260-96(2011)** Practice for Packed Column Gas Chromatography, **03.06**
- E261-10** Practice for Determining Neutron Fluence, Fluence Rate, and Spectra by Radioactivation Techniques, **12.02**
- E262-13** Test Method for Determining Thermal Neutron Reaction Rates and Thermal Neutron Fluence Rates by Radioactivation Techniques, **12.02**
- E263-13** Test Method for Measuring Fast-Neutron Reaction Rates by Radioactivation of Iron, **12.02**
- E264-08(2013)** Test Method for Measuring Fast-Neutron Reaction Rates by Radioactivation of Nickel, **12.02**
- E265-07(2013)** Test Method for Measuring Reaction Rates and Fast-Neutron Fluences by Radioactivation of Sulfur-32, **12.02**
- E266-11** Test Method for Measuring Fast-Neutron Reaction Rates by Radioactivation of Aluminum, **12.02**  
*E267 Withdrawn 2006; Test Method for Uranium and Plutonium Concentrations and Isotopic Abundances*
- E268** *Withdrawn 1991; Terminology Relating to Electromagnetic Testing; Replaced by E1316*
- E269** *Withdrawn 1991; Definitions of Terms Relating to Magnetic Particle Examination; Replaced by E1316*
- E270** *Withdrawn 1991; Terminology Relating to Liquid Penetrant Examination; Replaced by E1316*
- E271** *Withdrawn 2003; Test Methods for Analysis of Aqueous Hydrofluoric Acid*
- E272-10** Reference Radiographs for High-Strength Copper-Base and Nickel-Copper Alloy Castings, **03.03**
- E273-10** Practice for Ultrasonic Testing of the Weld Zone of Welded Pipe and Tubing, **03.03**
- E274/E274M-11** Test Method for Skid Resistance of Paved Surfaces Using a Full-Scale Tire, **04.03**
- E275-08(2013)** Practice for Describing and Measuring Performance of Ultraviolet and Visible Spectrophotometers, **03.06**
- E276-13** Test Method for Particle Size or Screen Analysis at No. 4 (4.75-mm) Sieve and Finer for Metal-Bearing Ores and Related Materials, **03.05**  
*E277 Withdrawn 1990; Test Method for Total Iron in Iron Ores by Stannous Chloride Reduction and Dichromate Titration*
- E278-01(2010)\*<sup>1</sup>** Test Method for Determination of Phosphorus in Iron Ores by Phosphomolybdate Coprecipitation and Nitric Acid Titrimetry, **03.05**
- E279-97(2010)** Test Method for Determination of Abrasion Resistance of Iron Ore Pellets and Sinter by the Tumbler Test, **03.05**
- E280-10** Reference Radiographs for Heavy-Walled (4 1/2 to 12-in. (114 to 305-mm)) Steel Castings, **03.03**  
*E281 Withdrawn 1983; Method for Spectrographic Analysis of Carbon and Low-Alloy Steel by the Pellet Technique*
- E282** *Withdrawn 1983; Method for Spectrographic Analysis of Carbon and Low-Alloy Steel by the Point-to-Plane Technique*
- E283-04(2012)** Test Method for Determining Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors Under Specified Pressure Differences Across the Specimen, **04.11**
- E284-13a** Terminology of Appearance, **06.01**
- E285-08** Test Method for Oxyacetylene Ablation Testing of Thermal Insulation Materials, **15.03**  
*E286 Withdrawn 1991; Test Method for Surface Flammability of Building Materials Using an 8-ft (2.44-m) Tunnel Furnace*
- E287-02(2012)** Specification for Laboratory Glass Graduated Burets, **14.04**
- E288-10** Specification for Laboratory Glass Volumetric Flasks, **14.04**



- E289-04(2010)** Test Method for Linear Thermal Expansion of Rigid Solids with Interferometry, **14.02**
- E290-13** Test Methods for Bend Testing of Material for Ductility, **03.01**
- E291-09** Test Methods for Chemical Analysis of Caustic Soda and Caustic Potash (Sodium Hydroxide and Potassium Hydroxide), **15.05**
- E292-09<sup>1</sup>** Test Methods for Conducting Time-for-Rupture Notch Tension Tests of Materials, **03.01**
- E293 Withdrawn 1997; Test Method for Spectrographic Determination of Acid-Soluble Aluminum in Low-Alloy Steel by the Solution Technique*
- E294 Withdrawn 2000; Test Method for Effective Pumping Speed of Vacuum Chamber Systems*
- E295-82(2014)** Test Method for Measured Speed of Oil Diffusion Pumps, **15.03**
- E296-70(2010)** Practice for Ionization Gage Application to Space Simulators, **15.03**
- E297 Withdrawn 1984; Methods for Calibrating Ionization Vacuum Gage Tubes*
- E298-08** Test Methods for Assay of Organic Peroxides, **15.05**
- E299-08** Test Method for Trace Amounts of Peroxides In Organic Solvents, **15.05**
- E300-03(2009)** Practice for Sampling Industrial Chemicals, **15.05**
- E301 Withdrawn 2001; Test Method for Total Acidity of Organic Acids*
- E302 Withdrawn 2001; Test Methods for Monobasic Organic Acids*
- E303-93(2013)** Test Method for Measuring Surface Frictional Properties Using the British Pendulum Tester, **04.03**
- E304 Withdrawn 1992; Practice for Use and Evaluation of Spark Source Mass Spectrometers for Analysis of Solids*
- E305-13** Practice for Establishing and Controlling Atomic Emission Spectrochemical Analytical Curves, **03.05**
- E306 Withdrawn 1989; Method for Absolute Calibration of Reflectance Standards*
- E307-72(2014)** Test Method for Normal Spectral Emittance at Elevated Temperatures, **15.03**
- E308-13** Practice for Computing the Colors of Objects by Using the CIE System, **06.01**
- E309-11** Practice for Eddy-Current Examination of Steel Tubular Products Using Magnetic Saturation, **03.03**
- E310-10** Reference Radiographs for Tin Bronze Castings, **03.03**
- E311 Withdrawn 1982; Recommended Practice for Sampling and Sample Preparation Techniques in Spectrochemical Analysis*
- E312-06(2011)** Practice for Description and Selection of Conditions for Photographing Specimens Using Analog (Film) Cameras and Digital Still Cameras (DSC), **06.01**
- E313-10** Practice for Calculating Yellowness and Whiteness Indices from Instrumentally Measured Color Coordinates, **06.01**
- E314-10** Test Methods for Determination of Manganese in Iron Ores by Pyrophosphate (Potentiometric) and Periodate (Photometric) Techniques, **03.05**
- E315 Withdrawn 2010; Test Methods for Chemical Analysis of Molybdenum*
- E316-11** Test Method for Determination of Iron in Manganese Ores by Hydrogen Sulfide Reduction-Dichromate Titrimetry, **03.05**
- E317-11** Practice for Evaluating Performance Characteristics of Ultrasonic Pulse-Echo Testing Instruments and Systems without the Use of Electronic Measurement Instruments, **03.03**
- E318 Withdrawn 1996; Test Method for Uranium in Aqueous Solutions by Colorimetry*
- E319-85(2008)** Practice for the Evaluation of Single-Pan Mechanical Balances, **14.04**
- E320 Withdrawn 1993; Test Method for Cesium-137 in Nuclear Fuel Solutions by Radiochemical Analysis*
- E321-96(2012)** Test Method for Atom Percent Fission in Uranium and Plutonium Fuel (Neodymium-148 Method), **12.01**
- E322-12** Test Method for Analysis of Low-Alloy Steels and Cast Irons by Wavelength Dispersive X-Ray Fluorescence Spectrometry, **03.05**
- E323-11** Specification for Perforated-Plate Sieves for Testing Purposes, **14.02**
- E324 Withdrawn 2001; Test Method for Relative Initial and Final Melting Points and the Melting Range of Organic Chemicals*
- E325 Withdrawn 1996; Test Method for Silicon in Organic Compounds by Peroxide Bomb Ignition*
- E326 Withdrawn 2001; Test Method for Hydroxyl Groups by Phthalic Anhydride Esterification*
- E327 Withdrawn 1999; Test Method for Optical Emission Spectrometric Analysis of Stainless Type 18-8 Steels by the Point-to-Plane Technique*
- E328-13** Test Methods for Stress Relaxation for Materials and Structures, **03.01**
- E329-14a** Specification for Agencies Engaged in Construction Inspection, Testing, or Special Inspection, **04.02**
- E330/E330M-14** Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference, **04.11**
- E331-00(2009)** Test Method for Water Penetration of Exterior Windows, Skylights, Doors, and Curtain Walls by Uniform Static Air Pressure Difference, **04.11**
- E332 Withdrawn 1977; Recommended Practice for Combined Simulated Space-Environment Testing of Thermal Control Materials; Replaced by E512*
- E333 Withdrawn 1977; Recommended Practice for Testing Thermal Control Coatings with Simulated 2000 to 4000 A Solar Ultraviolet Radiation; Replaced by E512*

- E334-01(2013)** Practice for General Techniques of Infrared Microanalysis, **03.06**
- E335 Withdrawn 2002; Test Method for Hydroxyl Groups by Pyromellitic Dianhydride Esterification*
- E336-14** Test Method for Measurement of Airborne Sound Attenuation between Rooms in Buildings, **04.06**
- E337-02(2007)** Test Method for Measuring Humidity with a Psychrometer (the Measurement of Wet- and Dry-Bulb Temperatures), **11.07**
- E338 Withdrawn 2010; Test Method of Sharp-Notch Tension Testing of High-Strength Sheet Materials*
- E339 Withdrawn 1993; Test Method for Discrimination of Differences in the Production of Alcoholic Beverages by the Duo-Trio Method*
- E340-13** Test Method for Macroetching Metals and Alloys, **03.01**
- E341-08** Practice for Measuring Plasma Arc Gas Enthalpy by Energy Balance, **15.03**
- E342-11** Test Method for Determination of Chromium Oxide in Chrome Ores by Permanganate Titrimetry, **03.05**
- E343 Withdrawn 2002; Test Method for Measuring Reaction Rates by Analysis of Molybdenum-99 Radioactivity From Fission Docimeters*
- E344-13** Terminology Relating to Thermometry and Hydrometry, **14.03**
- E345-93(2013)<sup>1</sup>** Test Methods of Tension Testing of Metallic Foil, **03.01**
- E346-08<sup>1</sup>** Test Methods for Analysis of Methanol, **15.05**
- E347 Withdrawn 2003; Test Method for Ash in Polybasic Acids*
- E348 Withdrawn 2000; Practices for Man-Rated Space Facilities*
- E349-06(2014)** Terminology Relating to Space Simulation, **15.03**
- E350-12** Test Methods for Chemical Analysis of Carbon Steel, Low-Alloy Steel, Silicon Electrical Steel, Ingot Iron, and Wrought Iron, **03.05**
- E351-13** Test Methods for Chemical Analysis of Cast Iron—All Types, **03.05**
- E352-13** Test Methods for Chemical Analysis of Tool Steels and Other Similar Medium- and High-Alloy Steels, **03.05**
- E353-93(2006)** Test Methods for Chemical Analysis of Stainless, Heat-Resisting, Maraging, and Other Similar Chromium-Nickel-Iron Alloys, **03.05**
- E354-93(2006)** Test Methods for Chemical Analysis of High-Temperature, Electrical, Magnetic, and Other Similar Iron, Nickel, and Cobalt Alloys, **03.05**
- E355-96(2014)** Practice for Gas Chromatography Terms and Relationships, **03.06**
- E356 Withdrawn 2001; Practices for Describing and Specifying the Spectrograph*
- E357 Withdrawn 2009; Test Method for Phosphorus in Organic Compounds by Sodium Peroxide Bomb Ignition*
- E358 Withdrawn 2000; Test Methods for Analysis of Phosphoric Acid*
- E359-10** Test Methods for Analysis of Soda Ash (Sodium Carbonate), **15.05**
- E360 Withdrawn 2006; Test Methods for Chemical Analysis of Silicon and Ferrosilicon*
- E361 Withdrawn 2005; Test Methods for the Determination of Arsenic and Lead in Ferromanganese*
- E362 Withdrawn 2005; Test Methods for the Determination of Arsenic and Lead in Silicomanganese and Ferrosilicon Manganese*
- E363-09** Test Methods for Chemical Analysis of Chromium and Ferrochromium, **03.05**
- E364 Withdrawn 2006; Test Methods for Chemical Analysis of Ferrochrome-Silicon*
- E365 Withdrawn 2005; Test Method for the Determination of Vanadium in Ferrovandium and Vanadium Alloying Additives*
- E366 Not Assigned*
- E367-09** Test Methods for Chemical Analysis of Ferroniobium, **03.05**
- E368 Withdrawn 1998; Method for Chemical Analysis of Ferromolybdenum*
- E369 Not Assigned*
- E370 Not Assigned*
- E371 Withdrawn 2006; Test Method for The Determination of Boron in Ferrobore*
- E372-13** Test Method for Determination of Calcium and Magnesium in Magnesium Ferrosilicon by EDTA Titration, **03.05**
- E373 Not Assigned*
- E374 Not Assigned*
- E375 Withdrawn 1992; Definitions of Terms Relating To Resinography*
- E376-11** Practice for Measuring Coating Thickness by Magnetic-Field or Eddy-Current (Electromagnetic) Testing Methods, **03.03**
- E377-08** Practice for Internal Temperature Measurements in Low-Conductivity Materials, **15.03**
- E378 Withdrawn 2004; Test Method for Spectrographic Analysis of Silver by the Powder Technique*
- E379 Withdrawn 1987; Specification for Apparatus for Direct Microdetermination of Oxygen in Organic Compounds*
- E380 Withdrawn 1997; Practice for Use of the International System of Units (SI) (the Modernized Metric System); Replaced by IEEE/ASTM SI-10*
- E381-01(2012)** Method of Macroetch Testing Steel Bars, Billets, Blooms, and Forgings, **03.01**
- E382-12** Test Method for Determination of Crushing Strength of Iron Ore Pellets, **03.05**
- E383 Withdrawn 1993; Method for X-Ray Emission Spectrometric Determination of Tungsten in Nickel-Tungsten Alloys*
- E384-11<sup>1</sup>** Test Method for Knoop and Vickers Hardness of Materials, **03.01**
- E385-11** Test Method for Oxygen Content Using a 14-MeV Neutron Activation and Direct-Counting Technique, **12.02**
- E386-90(2011)** Practice for Data Presentation Relating to High-Resolution Nuclear Magnetic Resonance (NMR) Spectroscopy, **03.06**
- E387-04(2014)** Test Method for Estimating Stray Radiant Power Ratio of

Dispersive Spectrophotometers by the Opaque Filter Method, **03.06**

**E388-04(2009)** Test Method for Wavelength Accuracy and Spectral Bandwidth of Fluorescence Spectrometers, **03.06**

**E389-13** Test Method for Particle Size or Screen Analysis at No. 4 (4.75-mm) Sieve and Coarser for Metal-Bearing Ores and Related Materials, **03.05**

**E390-11** Reference Radiographs for Steel Fusion Welds, **03.03**  
*E391 Withdrawn 1999; Practice for Presentation of Phase Diagrams*  
*E392 Withdrawn 1980; Recommended Practice for Equipment for Conditioned Atmospheres: Temperatures and Relative Humidity*

**E393-13** Test Method for Measuring Reaction Rates by Analysis of Barium-140 From Fission Dosimeters, **12.02**

**E394-09** Test Method for Iron in Trace Quantities Using the 1,10-Phenanthroline Method, **15.05**  
*E395 Withdrawn 2007; Test Method for Determination of Total Sulfur in Iron Ores and Related Materials by Combustion-Iodate Titration; Replaced by E1915*

**E396-12<sup>1</sup>** Test Methods for Chemical Analysis of Cadmium, **03.05**  
*E397 Withdrawn 1984; Methods for Chemical Analysis of Tungsten*

**E398-13** Test Method for Water Vapor Transmission Rate of Sheet Materials Using Dynamic Relative Humidity Measurement, **15.10**

**E399-12<sup>3</sup>** Test Method for Linear-Elastic Plane-Strain Fracture Toughness  $K_{Ic}$ , **03.01**  
*E400 Withdrawn 2007; Test Method for Analysis of Ores, Minerals, and Rocks by Fire Assay Preconcentration Atomic Emission Spectrometry*  
*E401 Withdrawn 1996; Practice for Bonding Thin Spectrochemical Samples and Standards to a Greater Mass of Material*  
*E402 Withdrawn 2007; Test Method for Spectrographic Analysis of Uranium Oxide ( $U_3O_8$ ) by Gallium Oxide-Carrier Technique*  
*E403 Withdrawn 1995; Test Method for Optical Emission Spectrometric Analysis of Carbon and Low-Alloy Steel by the Point-To-Plane Technique; Replaced by E415*  
*E404 Withdrawn 2006; Test Method for Spectrographic Determination of Boron in Carbon and Low Alloy Steel by the Point-To-Plane Technique*

**E405-04(2012)** Test Methods for Wear Testing Rotary Operators for Windows, **04.11**

**E406-81(2012)** Practice for Using Controlled Atmospheres in Spectrochemical Analysis, **03.05**

**E407-07<sup>1</sup>** Practice for Microetching Metals and Alloys, **03.01**

**E408-13** Test Methods for Total Normal Emittance of Surfaces Using Inspection-Meter Techniques, **15.03**  
*E409 Withdrawn 2002; Practice for Description and Performance of the Microphotometer*

**E410-08** Test Method for Moisture and Residue in Liquid Chlorine, **15.05**

**E411-12** Test Method for Trace Quantities of Carbonyl Compounds with 2,4-Dinitrophenylhydrazine, **15.05**  
*E412 Withdrawn 1996; Test Method for Assay of Liquid Chlorine (Zinc Amalgam Method); Replaced by E1746*

**E413-10** Classification for Rating Sound Insulation, **04.06**  
*E414 Withdrawn 1994; Test Method for Spectrographic Analysis of Copper by the Briquet Technique*

**E415-14** Test Method for Analysis of Carbon and Low-Alloy Steel by Spark Atomic Emission Spectrometry, **03.05**  
*E416 Withdrawn 2005; Practice for Planning and Safe Operation of a Spectrochemical Laboratory*  
*E417 Withdrawn 1977; Method for Colorimetric Determination of Technetium in Aqueous Solutions; Replaced by E321*  
*E418 Withdrawn 1984; Method for Fast-Neutron Flux Measurements by Track-Etch Techniques; Replaced by E854*  
*E419 Withdrawn 1983; Guide for Selection of Neutron Activation Detector Materials; Replaced by E844*  
*E420 Withdrawn 1982; Specification for Sheathed Electrical Resistance Heater*  
*E421 Withdrawn 1997; Test Method for Spectrographic Determination of Silicon and Aluminum in High-Purity Iron*

**E422-05(2011)** Test Method for Measuring Heat Flux Using a Water-Cooled Calorimeter, **15.03**

**E423-71(2014)** Test Method for Normal Spectral Emittance at Elevated Temperatures of Nonconducting Specimens, **15.03**

**E424-71(2007)** Test Methods for Solar Energy Transmittance and Reflectance (Terrestrial) of Sheet Materials, **12.02**  
*E425 Withdrawn 1991; Terminology Relating to Leak Testing; Replaced by E1316*

**E426-12** Practice for Electromagnetic (Eddy-Current) Examination of Seamless and Welded Tubular Products, Titanium, Austenitic Stainless Steel and Similar Alloys, **03.03**  
*E427 Withdrawn 2013; Practice for Testing for Leaks Using the Halogen Leak Detector Alkali-Ion Diode*

**E428-08(2013)** Practice for Fabrication and Control of Metal, Other than Aluminum, Reference Blocks Used in Ultrasonic Testing, **03.03**

**E430-11** Test Methods for Measurement of Gloss of High-Gloss Surfaces by Abridged Goniophotometry, **06.01**

**E431-96(2011)** Guide to Interpretation of Radiographs of Semiconductors and Related Devices, **03.03**

**E432-91(2011)** Guide for Selection of a Leak Testing Method, **03.03**

**E433-71(2013)** Reference Photographs for Liquid Penetrant Inspection, **03.03**

**E434-10** Test Method for Colorimetric Determination of Hemispherical Emittance and the Ratio of Solar Absorptance to Hemispherical Emittance Using Solar Simulation, **15.03**  
*E435 Withdrawn 1995; Test Method for Acetic Anhydride Content (Assay) of Acetic Anhydride*

**E436-03(2008)** Test Method for Drop-Weight Tear Tests of Ferritic Steels, **03.01**  
*E437 Withdrawn 2000; Specification for Industrial Wire Cloth and Screens (Square Opening Series); Replaced by E2016*

**E438-92(2011)** Specification for Glasses in Laboratory Apparatus, **14.04**

**E439-10** Test Methods for Chemical Analysis of Beryllium, **03.05**

**E440** Withdrawn 1994; Test Method for Traces of Peroxides in Organic Solvents with *N,N*-Diphenyl-*p*-Phenylenediamine

**E441** Withdrawn 1996; Test Method for Vinyl Unsaturation in Organic Compounds With Mercuric Acetate

**E442** Withdrawn 1996; Test Method for Chlorine, Bromine, or Iodine in Organic Compounds by Oxygen Flask Combustion

**E443** Withdrawn 1996; Test Method for Sulfur in Organic Compounds by Oxygen Flask Combustion

**E444-09** Guide for Scope of Work of Forensic Document Examiners, **14.02**

**E445/E445M-88(2013)** Test Method for Stopping Distance on Paved Surfaces Using a Passenger Vehicle Equipped With Full-Scale Tires, **04.03**

**E446-10** Reference Radiographs for Steel Castings Up to 2 in. (50.8 mm) in Thickness, **03.03**

**E448-82(2008)** Practice for Scleroscope Hardness Testing of Metallic Materials, **03.01**

**E449-08(2013)** Test Methods for Analysis of Calcium Chloride, **15.05**  
*E450 Withdrawn 1993; Method for Measurement of Color of Low-Colored Clear Liquids Using the Hunterlab Color Difference Meter*  
*E451 Withdrawn 1988; Practice for Testing Pavement Polishing in the Laboratory (Full-Scale Wheel Method)*

**E452-02(2013)** Test Method for Calibration of Refractory Metal Thermocouples Using a Radiation Thermometer, **14.03**  
*E453 Withdrawn 2008; Practice for Examination of Fuel Element Cladding Including the Determination of the Mechanical Properties*

**E454-12** Specification for Industrial Perforated Plate and Screens (Square Opening Series), **14.02**

**E455-11** Test Method for Static Load Testing of Framed Floor or Roof Diaphragm Constructions for Buildings, **04.11**

**E456-13a<sup>1</sup>** Terminology Relating to Quality and Statistics, **14.02**

**E457-08** Test Method for Measuring Heat-Transfer Rate Using a Thermal Capacitance (Slug) Calorimeter, **15.03**

**E458-08** Test Method for Heat of Ablation, **15.03**

**E459-05(2011)** Test Method for Measuring Heat Transfer Rate Using a Thin-Skin Calorimeter, **15.03**

**E460-12** Practice for Determining Effect of Packaging on Food and Beverage Products During Storage, **15.08**  
*E461 Withdrawn 1992; Practice for Sensory Evaluation of Industrial and Institutional Food Purchase*  
*E462 Withdrawn 1998; Test Method for Odor and Taste Transfer from Packaging Film; Replaced by E1870*

**E463-09** Test Method for Determination of Silica in Fluorspar by Silico-Molybdate Visible Spectrometry, **03.05**  
*E464 Withdrawn 1986; Method of Test for Aluminum Oxide in Iron Ores*

**E465-11** Test Methods for Determination of Manganese (IV) in Manganese Ores by Redox Titrimetry, **03.05**

**E466-07** Practice for Conducting Force Controlled Constant Amplitude Axial Fatigue Tests of Metallic Materials, **03.01**

**E467-08<sup>1</sup>** Practice for Verification of Constant Amplitude Dynamic Forces in an Axial Fatigue Testing System, **03.01**

**E468-11** Practice for Presentation of Constant Amplitude Fatigue Test Results for Metallic Materials, **03.01**  
*E469 Withdrawn 1982; Measuring Heat Flux Using a Multiple-Wafer Calorimeter*  
*E470 Withdrawn 1982; Measuring Gas Enthalpy Using Calorimeter Probes*

**E471-96(2011)** Test Method for Obtaining Char Density Profile of Ablative Materials by Machining and Weighing, **15.03**  
*E472 Withdrawn 1995; Practice for Reporting Thermoanalytical Data*

**E473-11a** Terminology Relating to Thermal Analysis and Rheology, **14.02**  
*E474 Withdrawn 1986; Method for Evaluation of Temperature Scale for Differential Thermal Analysis*

**E475-10** Test Method for Assay of Di-*tert*-Butyl Peroxide Using Gas Chromatography, **15.05**  
*E476 Withdrawn 2008; Test Method for Thermal Instability of Confined Condensed Phase Systems (Confinement Test)*

**E477-13** Test Method for Laboratory Measurements of Acoustical and Airflow Performance of Duct Liner Materials and Prefabricated Silencers, **04.06**

**E478-08** Test Methods for Chemical Analysis of Copper Alloys, **03.05**  
*E479 Withdrawn 2014; Guide for Preparation of a Leak Testing Specification*  
*E480 Withdrawn 1993; Practice for Establishing Conditions for Laboratory Sensory Evaluation of Foods And Beverages*

**E481-10** Test Method for Measuring Neutron Fluence Rates by Radioactivation of Cobalt and Silver, **12.02**

**E482-11<sup>1</sup>** Guide for Application of Neutron Transport Methods for Reactor Vessel Surveillance, E706 (IID), **12.02**  
*E483 Withdrawn 1989; Method for Spectrographic Analysis of Nickel Alloys by the Silver Chloride-Lithium Fluoride Carrier Technique*  
*E484 Withdrawn 1983; Method for Optical Emission Spectrometric Analysis of Steel by the Solution-Reservoir Cup Technique*  
*E485 Withdrawn 2011; Test Method for Optical Emission Vacuum Spectrometric Analysis of Blast Furnace Iron by the Point-to-Plane Technique*  
*E486 Withdrawn 1991; Method for Spectrographic Analysis of Admiralty Metal by the Cast Pin and Point-to-Plane Technique*

**E487-14** Test Method for Constant-Temperature Stability of Chemical Materials, **14.02**

- E488/E488M-10** Test Methods for Strength of Anchors in Concrete Elements, **04.11**  
*E489 Withdrawn 2005; Test Method for Tensile Strength Properties of Metal Connector Plates*
- E490-00a(2014)** Standard Solar Constant and Zero Air Mass Solar Spectral Irradiance Tables, **15.03**
- E491-73(2010)** Practice for Solar Simulation for Thermal Balance Testing of Spacecraft, **15.03**
- E492-09** Test Method for Laboratory Measurement of Impact Sound Transmission Through Floor-Ceiling Assemblies Using the Tapping Machine, **04.06**
- E493/E493M-11** Practice for Leaks Using the Mass Spectrometer Leak Detector in the Inside-Out Testing Mode, **03.03**
- E494-10** Practice for Measuring Ultrasonic Velocity in Materials, **03.03**  
*E495 Withdrawn 1991; Test Method for Fission Zirconium in Irradiated Nuclear Fuels by Spectrophotometry*
- E496-14<sup>1</sup>** Test Method for Measuring Neutron Fluence and Average Energy from, **12.02**  
*E497 Withdrawn 2008; Practice for Installing Sound-Isolating Lightweight Partitions*
- E498/E498M-11** Practice for Leaks Using the Mass Spectrometer Leak Detector or Residual Gas Analyzer in the Tracer Probe Mode, **03.03**
- E499/E499M-11** Practice for Leaks Using the Mass Spectrometer Leak Detector in the Detector Probe Mode, **03.03**  
*E500 Withdrawn 1991; Terminology Relating to Ultrasonic Examination; Replaced by E1316*
- E501-08** Specification for Standard Rib Tire for Pavement Skid-Resistance Tests, **04.03**
- E502-07(2013)** Test Method for Selection and Use of ASTM Standards for the Determination of Flash Point of Chemicals by Closed Cup Methods, **14.02**  
*E503/E503M Withdrawn 2010; Test Methods for Measurement of Skid Resistance on Paved Surfaces Using a Passenger Vehicle Diagonal Braking Technique*  
*E504 Withdrawn 1998; Practice for Selection of Electrode Material Used in Optical Emission Spectroscopy Based on Physical Properties*
- E505-01(2011)** Reference Radiographs for Inspection of Aluminum and Magnesium Die Castings, **03.03**
- E506-08** Test Method for Mercury in Liquid Chlorine, **15.05**
- E507-13** Test Method for Determination of Aluminum in Iron Ores by Flame Atomic Absorption Spectrometry, **03.05**
- E508-13** Test Method for Determination of Calcium and Magnesium in Iron Ores by Flame Atomic Absorption Spectrometry, **03.05**
- E509/E509M-14** Guide for In-Service Annealing of Light-Water Moderated Nuclear Reactor Vessels, **12.02**  
*E510 Withdrawn 1985; Recommended Practice for Determining Pavement Surface Frictional and Polishing Characteristics Using a Small Torque Device*
- E511-07** Test Method for Measuring Heat Flux Using a Copper-Constantan Circular Foil, Heat-Flux Transducer, **15.03**
- E512-94(2010)** Practice for Combined, Simulated Space Environment Testing of Thermal Control Materials with Electromagnetic and Particulate Radiation, **15.03**  
*E513 Withdrawn 1988; Definitions of Terms Relating to Constant-Amplitude, Low-Cycle Fatigue Testing; Replaced by E1150*
- E514/E514M-14** Test Method for Water Penetration and Leakage Through Masonry, **04.05**
- E515-11** Practice for Leaks Using Bubble Emission Techniques, **03.03**
- E516-95a(2013)** Practice for Testing Thermal Conductivity Detectors Used in Gas Chromatography, **03.06**
- E517-00(2010)** Test Method for Plastic Strain Ratio, **03.01**
- E518/E518M-10** Test Methods for Flexural Bond Strength of Masonry, **04.05**
- E519/E519M-10** Test Method for Diagonal Tension (Shear) in Masonry Assemblages, **04.05**
- E520-08** Practice for Describing Photomultiplier Detectors in Emission and Absorption Spectrometry, **03.05**
- E521-96(2009)<sup>1</sup>** Practice for Neutron Radiation Damage Simulation by Charged-Particle Irradiation, **12.02**  
*E522 Withdrawn 1984; Method for Calibration of Germanium Detectors for Measurement of Gamma-Ray Emission Rates of Radionuclides; Replaced by E181*
- E523-11** Test Method for Measuring Fast-Neutron Reaction Rates by Radioactivation of Copper, **12.02**
- E524-08** Specification for Standard Smooth Tire for Pavement Skid-Resistance Tests, **04.03**  
*E525 Withdrawn 2001; Practice for Reporting Dosimetry Results on Nuclear Graphite*
- E526-08(2013)** Test Method for Measuring Fast-Neutron Reaction Rates by Radioactivation of Titanium, **12.02**
- E527-12** Practice for Numbering Metals and Alloys in the Unified Numbering System (UNS), **01.01**  
*E528 Withdrawn 1998; Practices for Grounding Basic Optical Emission Spectrochemical Equipment*
- E529-04(2011)** Guide for Conducting Flexural Tests on Beams and Girders for Building Construction, **04.11**  
*E530 Not Assigned*
- E531-13** Practice for Surveillance Testing of High-Temperature Nuclear Component Materials, **12.02**  
*E532 Not Assigned*  
*E533 Withdrawn 2003; Test Method for Trace Amounts of Arsenic in Inorganic Industrial Chemicals*
- E534-13** Test Methods for Chemical Analysis of Sodium Chloride, **15.05**
- E535-14** Practice for Preparation of Fire-Test-Response Standards, **04.07**
- E536-08** Test Methods for Chemical Analysis of Zinc and Zinc Alloys, **03.05**
- E537-12** Test Method for The Thermal Stability of Chemicals by Differential Scanning Calorimetry, **14.02**
- E538-98(2008)** Test Methods for Mercury in Caustic Soda (Sodium Hydroxide) and Caustic Potash (Potassium Hydroxide), **15.05**
- E539-11** Test Method for Analysis of Titanium Alloys by X-Ray Fluorescence Spectrometry, **03.05**  
*E540 Withdrawn 1980; Definitions of Terms Relating to Building Construction; Combined with E 631*
- E541-10** Specification for Agencies Engaged in System Analysis and Compliance Assurance for Manufactured Building, **14.02**
- E542-01(2012)** Practice for Calibration of Laboratory Volumetric Apparatus, **14.04**
- E543-13** Specification for Agencies Performing Nondestructive Testing, **03.03**
- E544-10** Practices for Referencing Suprathreshold Odor Intensity, **15.08**
- E545-14** Test Method for Determining Image Quality in Direct Thermal Neutron Radiographic Examination, **03.03**
- E546-08** Test Method for Frost/Dew Point of Sealed Insulating Glass Units, **04.11**
- E547-00(2009)** Test Method for Water Penetration of Exterior Windows, Skylights, Doors, and Curtain Walls by Cyclic Static Air Pressure Difference, **04.11**  
*E548 Withdrawn 2003; Guide for General Criteria Used for Evaluating Laboratory Competence*
- E549-87(2008)** Guide for Preparing Field Sprayer Calibration Procedures, **11.05**
- E550-87(2008)** Guide for Preparing Granular Pesticide Ground Applicator Calibration Procedures, **11.05**  
*E551 Withdrawn 2000; Test Methods for Developing Effective Bird Control Chemicals*  
*E552 Withdrawn 2000; Test Method for Efficacy of Acute Mammalian Predicides*  
*E553 Not Assigned*  
*E554 Withdrawn 2000; Guide for Use and Development of Strychnine as an Avicide*  
*E555 Withdrawn 2000; Practice for Determining Acute Oral LD50 for Testing Vertebrate Control Agents*
- E556/E556M-11** Test Method for Calibrating a Wheel Force or Torque Transducer Using a Calibration Platform (User Level), **04.03**
- E557-12** Guide for Architectural Design and Installation Practices for Sound Isolation between Spaces Separated by Operable Partitions, **04.06**  
*E558 Redesignated A938*  
*E559 Withdrawn 1978; Recommended Practice for Classifying Pavement Surface Textures, Suitable for Skid-Resistance Photo-Interpretation*  
*E560 Withdrawn 2009; Practice for Extrapolating Reactor Vessel Surveillance Dosimetry Results, E 706(IC)*
- E561-10<sup>2</sup>** Test Method for K-R Curve Determination, **03.01**
- E562-11** Test Method for Determining Volume Fraction by Systematic Manual Point Count, **03.01**
- E563-11** Practice for Preparation and Use of an Ice-Point Bath as a Reference Temperature, **14.03**
- E564-06(2012)** Practice for Static Load Test for Shear Resistance of Framed Walls for Buildings, **04.11**  
*E565 Withdrawn 2000; Test Method for Efficacy of a Single-Dose Acute Rodenticide Under Laboratory Conditions for Commensal Rodents*
- E566-14** Practice for Electromagnetic (Eddy Current) Sorting of Ferrous Metals, **03.03**  
*E567 Withdrawn 1996; Test Method for Tertiary Hydroxyl Groups With Hydrogen Bromide*  
*E568 Withdrawn 1981; Methods for Chemical Analysis of Magnesium Ferrosilicon; Replaced by E372*
- E569/E569M-13** Practice for Acoustic Emission Monitoring of Structures During Controlled Stimulation, **03.03**
- E570-09** Practice for Flux Leakage Examination of Ferromagnetic Steel Tubular Products, **03.03**
- E571-12** Practice for Electromagnetic (Eddy-Current) Examination of Nickel and Nickel Alloy Tubular Products, **03.03**
- E572-13** Test Method for Analysis of Stainless and Alloy Steels by Wavelength Dispersive X-Ray Fluorescence Spectrometry, **03.05**
- E573-01(2013)** Practices for Internal Reflection Spectroscopy, **03.06**
- E574-13** Specification for Duplex, Base Metal Thermocouple Wire With Glass Fiber or Silica Fiber Insulation, **14.03**
- E575-05(2011)** Practice for Reporting Data from Structural Tests of Building Constructions, Elements, Connections, and Assemblies, **04.11**
- E576-08** Test Method for Frost/Dew Point of Sealed Insulating Glass Units in the Vertical Position, **04.11**  
*E577 Withdrawn 2011; Guide for Dimensional Coordination of Rectilinear Building Parts and Systems*
- E578-07(2013)** Test Method for Linearity of Fluorescence Measuring Systems, **03.06**
- E579-04(2009)** Test Method for Limit of Detection of Fluorescence of Quinine Sulfate in Solution, **03.06**
- E580/E580M-14** Practice for Installation of Ceiling Suspension Systems for Acoustical Tile and Lay-in Panels in Areas Subject to Earthquake Ground Motions, **04.06**
- E581-10** Test Methods for Chemical Analysis of Manganese-Copper Alloys, **03.05**

- E582-07(2013)<sup>\*1</sup>** Test Method for Minimum Ignition Energy and Quenching Distance in Gaseous Mixtures, **14.02**
- E583** *Withdrawn 1996; Practice for Systematizing the Development of (ASTM) Voluntary Consensus Standards for the Solution of Nuclear and Other Complex Problems*
- E584** *Withdrawn 1992; Recommended Guide for Developing the (ASTM) Voluntary Consensus Standards Required to Help Implement the National Energy Plan*
- E585/E585M-12** Specification for Compacted Mineral-Insulated, Metal-Sheathed, Base Metal Thermocouple Cable, **14.03**
- E586** *Withdrawn 1991; Terminology Relating to Industrial Radiology; Replaced by E1316*
- E587-10** Practice for Ultrasonic Angle-Beam Contact Testing, **03.03**
- E588-03(2009)** Practice for Detection of Large Inclusions in Bearing Quality Steel by the Ultrasonic Method, **01.05**
- E589** *Withdrawn 2000; Guide for Use and Development of PA-14 Avian Stressing Agent*
- E590** *Withdrawn 2000; Guide for Use and Development of Sodium Monofluoroacetate (Compound 1080) as a Predicide*
- E591** *Withdrawn 1991; Practice for Safety and Health Requirements Relating to Occupational Exposure to Ozone*
- E592-99(2009)<sup>\*1</sup>** Guide to Obtainable ASTM Equivalent Penetrator Sensitivity for Radiography of Steel Plates, **03.03**
- E593** *Withdrawn 2000; Test Method for Efficacy of a Multiple-Dose Rodenticide Under Laboratory Conditions*
- E594-96(2011)** Practice for Testing Flame Ionization Detectors Used in Gas or Supercritical Fluid Chromatography, **03.06**
- E595-07** Test Method for Total Mass Loss and Collected Volatile Condensable Materials from Outgassing in a Vacuum Environment, **15.03**
- E596-96(2009)** Test Method for Laboratory Measurement of Noise Reduction of Sound-Isolating Enclosures, **04.06**
- E597** *Withdrawn 1999; Practice for Determining A Single-Number Rating of Airborne Sound Isolation for Use in Multiunit Building Specifications*
- E598-08** Test Method for Measuring Extreme Heat-Transfer Rates from High-Energy Environments Using a Transient, Null-Point Calorimeter, **15.03**
- E599** *Withdrawn 1997; Test Method for Efficacy of Slimicides for the Paper Industry—Fungal Slime; Replaced by E1839*
- E600** *Withdrawn 1997; Test Method for Efficacy of Slimicides for the Paper Industry—Bacterial Slime; Replaced by E1839*
- E601-07a(2013)** Test Method for Measuring Electromotive Force (emf) Stability of Base-Metal Thermoelement Materials with Time in Air, **14.03**
- E602** *Withdrawn 2010; Test Method for Sharp-Notch Tension Testing with Cylindrical Specimens*
- E603-13** Guide for Room Fire Experiments, **04.07**
- E604-83(2008)** Test Method for Dynamic Tear Testing of Metallic Materials, **03.01**
- E605-93(2011)** Test Methods for Thickness and Density of Sprayed Fire-Resistive Material (SFRM) Applied to Structural Members, **04.11**
- E606/E606M-12** Test Method for Strain-Controlled Fatigue Testing, **03.01**
- E607** *Withdrawn 2011; Test Method for Atomic Emission Spectrometric Analysis Aluminum Alloys by the Point to Plane Technique Nitrogen Atmosphere*
- E608/E608M-13** Specification for Mineral-Insulated, Metal-Sheathed Base Metal Thermocouples, **14.03**
- E609-10** Terminology Relating to Pesticides, **11.05**
- E610** *Withdrawn 1991; Terminology Relating to Acoustic Emission; Replaced by E1316*
- E611-08** Test Methods for Low Concentrations of Diethylene Glycol in Ethylene Glycol by Gas Chromatography, **15.05**
- E612** *Withdrawn 1997; Guide for Field Evaluation of Nematode Control Agents—Site Selection Procedures*
- E613** *Withdrawn 1997; Guide for Evaluation of Nematode Control Agents—Side Effects of Nematicide Application on Other Organisms*
- E614** *Withdrawn 1997; Guide for Greenhouse or Growth Chamber Evaluation of Nematicides Against Root-Knot Nematode*
- E615** *Withdrawn 2000; Guide for Use and Development of Sodium Cyanide as a Predicide*
- E616** *Withdrawn 1996; Terminology Relating to Fracture Testing; Replaced by E1823*
- E617-13** Specification for Laboratory Weights and Precision Mass Standards, **14.04**
- E618-07(2013)** Test Method for Evaluating Machining Performance of Ferrous Metals Using an Automatic Screw/Bar Machine, **01.05**
- E619-09** Practice for Evaluating Foreign Odors in Paper Packaging, **15.08**
- E620-11** Practice for Reporting Opinions of Scientific or Technical Experts, **14.02**
- E621** *Withdrawn 2008; Practice for Use of Metric (SI) Units in Building Design and Construction(Committee E06 Supplement to E380)*
- E622** *Withdrawn 2000; Guide for Developing Computerized Systems*
- E623** *Withdrawn 1994; Guide for Developing Functional Requirements for Computerized Systems; Replaced by E622*
- E624** *Withdrawn 1994; Guide for Developing Implementation Designs for Computerized Systems; Replaced by E622*
- E625** *Withdrawn 2000; Guide for Training Users of Computerized Systems*
- E626** *Withdrawn 1994; Guide for Evaluating Computerized Systems; Replaced by E622*
- E627** *Withdrawn 2000; Guide for Documenting Computerized Systems*
- E628** *Withdrawn 1997; Guide for Field Evaluation of Nematode Control Agents—Test Materials and Environmental Conditions*

- E629** *Withdrawn 1997; Guide for Field Evaluation of Nematode Control Agents—Determination of Nematode Population Responses to Control Agents*
- E630** *Withdrawn 1997; Guide for Evaluation of Nematode Control Agents—Plant Responses*
- E631-06** Terminology of Building Constructions, **04.11**
- E632** *Withdrawn 2005; Practice for Developing Accelerated Tests to Aid Prediction of the Service Life of Building Components and Materials*
- E633-13** Guide for Use of Thermocouples in Creep and Stress-Rupture Testing to 1800°F (1000°C) in Air, **03.01**
- E634-12** Practice for Sampling of Zinc and Zinc Alloys by Spark Atomic Emission Spectrometry, **03.05**
- E635** *Not Assigned*
- E636-14** Guide for Conducting Supplemental Surveillance Tests for Nuclear Power Reactor Vessels, E 706 (IH), **12.02**
- E637-05(2011)** Test Method for Calculation of Stagnation Enthalpy from Heat Transfer Theory and Experimental Measurements of Stagnation-Point Heat Transfer and Pressure, **15.03**
- E638** *Withdrawn 2001; Test Method for Calibration of Heat Transfer Rate Calorimeters Using a Narrow-Angle Blackbody Radiation Facility*
- E639** *Withdrawn 2011; Test Method for Measuring Total-Radiance Temperature of Heated Surfaces Using a Radiation Pyrometer*
- E640-06(2012)** Test Method for Preservatives in Water-Containing Cosmetics, **11.05**
- E641-01(2012)<sup>\*1</sup>** Methods for Testing Hydraulic Spray Nozzles Used in Agriculture, **11.05**
- E642-91(2008)** Practice for Determining Application Rates and Distribution Patterns from Aerial Application Equipment, **11.05**
- E643-09** Test Method for Ball Punch Deformation of Metallic Sheet Material, **03.01**
- E644-11** Test Methods for Testing Industrial Resistance Thermometers, **14.03**
- E645-13** Practice for Evaluation of Microbicides Used in Cooling Water Systems, **11.05**
- E646-07<sup>\*1</sup>** Test Method for Tensile Strain-Hardening Exponents (n -Values) of Metallic Sheet Materials, **03.01**
- E647-13a** Test Method for Measurement of Fatigue Crack Growth Rates, **03.01**
- E648-14c** Test Method for Critical Radiant Flux of Floor-Covering Systems Using a Radiant Heat Energy Source, **04.07**
- E649-00(2011)** Test Method for Bromine in Chlorine, **15.05**
- E650/E650M-12** Guide for Mounting Piezoelectric Acoustic Emission Sensors, **03.03**
- E651/E651M-01(2008)** Practice for Evaluating Capabilities of Agencies Involved in System Analysis and Compliance Assurance for Manufactured Building, **14.02**
- E652-91(2009)** Test Method for Nonresidual Liquid Household Insecticides Against Flying Insects, **11.05**
- E653-91(2009)** Test Method for Effectiveness of Aerosol and Pressurized Space Spray Insecticides Against Flying Insects, **11.05**
- E654-96(2009)** Test Method for Effectiveness of Aerosol and Pressurized Spray Insecticides Against Cockroaches, **11.05**
- E655** *Withdrawn 1997; Guide for Evaluation of Nematicides Against Root-Knot Nematode—Population Eradication Test*
- E656** *Withdrawn 1997; Guide for Evaluation of Hatching Heterodera Schachtlii Juveniles*
- E657** *Withdrawn 2000; Test Method for Comparative Acute and Long-Term Oral or Gustatory Avian Repellency*
- E658** *Withdrawn 2000; Test Method for Efficacy of Dog Repellents Designed for Direct Application to Garbage Bags*
- E659-14** Test Method for Autoignition Temperature of Liquid Chemicals, **14.02**
- E660-90(2011)** Practice for Accelerated Polishing of Aggregates or Pavement Surfaces Using a Small-Wheel, Circular Track Polishing Machine, **04.03**
- E661-03(2009)** Test Method for Performance of Wood and Wood-Based Floor and Roof Sheathing Under Concentrated Static and Impact Loads, **04.11**
- E662-14** Test Method for Specific Optical Density of Smoke Generated by Solid Materials, **04.07**
- E663** *Withdrawn 1997; Practice for Flame Atomic Absorption Analysis*
- E664/E664M-10** Practice for the Measurement of the Apparent Attenuation of Longitudinal Ultrasonic Waves by Immersion Method, **03.03**
- E665** *Withdrawn 2000; Practice for Determining Absorbed Dose Versus Depth in Materials to Exposed to the X-Ray Output of Flash X-Ray Machines*
- E666-14** Practice for Calculating Absorbed Dose From Gamma or X Radiation, **12.02**
- E667-98(2009)** Specification for Mercury-in-Glass, Maximum Self-Registering Clinical Thermometers, **13.01**
- E668-13** Practice for Application of Thermoluminescence-Dosimetry (TLD) Systems for Determining Absorbed Dose in Radiation-Hardness Testing of Electronic Devices, **12.02**
- E669** *Withdrawn 2000; Master Matrix for Nuclear Fuel Cycle Standards*
- E670-09** Test Method for Testing Side Force Friction on Paved Surfaces Using the Mu-Meter, **04.03**
- E671-98(2010)** Specification for Maximum Permissible Thermal Residual Stress in Annealed Glass Laboratory Apparatus, **14.04**
- E672-87(2011)** Specification for Disposable Glass Micropipets, **14.04**
- E673** *Withdrawn 2011; Terminology Relating to Surface Analysis*
- E674-12** Specification for Industrial Perforated Plate and Screens (Round Opening Series), **14.02**
- E675-02(2012)** Specification for Interchangeable Taper-Ground Stopcocks And Stoppers, **14.04**
- E676-02(2012)** Specification for Interchangeable Taper-Ground Joints, **14.04**

- E677-94(2010)** Specification for Interchangeable Spherical Ground Joints, **14.04**
- E678-07(2013)** Practice for Evaluation of Scientific or Technical Data, **14.02**
- E679-04(2011)** Practice for Determination of Odor and Taste Thresholds By a Forced-Choice Ascending Concentration Series Method of Limits, **15.08**
- E680-79(2011)<sup>1</sup>** Test Method for Drop Weight Impact Sensitivity of Solid-Phase Hazardous Materials, **14.02**
- E681-09** Test Method for Concentration Limits of Flammability of Chemicals (Vapors and Gases), **14.02**
- E682-92(2011)** Practice for Liquid Chromatography Terms and Relationships, **03.06**
- E683-91(2013)** Practice for Installation and Service of Solar Space Heating Systems for One- and Two-Family Dwellings, **12.02**
- E684 Withdrawn 2012; Practice for Approximate Determination of Current Density of Large-Diameter Ion Beams for Sputter Depth Profiling of Solid Surfaces; Replaced by E1577*
- E685-93(2013)** Practice for Testing Fixed-Wavelength Photometric Detectors Used in Liquid Chromatography, **03.06**
- E686 Withdrawn 2004; Method for Evaluation of Antimicrobial Agents in Aqueous Metal Working Fluids; Replaced by E2275*
- E687 Withdrawn 1989; Practice for Sensory Evaluation Procedure to Establish Guidelines for Open Dating Food and Beverage Products*
- E688-94(2011)** Test Methods for Waste Glass as a Raw Material for Glass Manufacturing, **11.04**
- E689-10** Reference Radiographs for Ductile Iron Castings, **03.03**
- E690-10** Practice for In Situ Electromagnetic (Eddy-Current) Examination of Nonmagnetic Heat Exchanger Tubes, **03.03**
- E691-14** Practice for Conducting an Interlaboratory Study to Determine the Precision of a Test Method, **14.02**
- E692 Withdrawn 2013; Test Method for Determining the Content of Cesium-137 in Irradiated Nuclear Fuels by High-Resolution Gamma-Ray Spectral Analysis*
- E693-12** Practice for Characterizing Neutron Exposures in Iron and Low Alloy Steels in Terms of Displacements Per Atom (DPA), E 706(ID), **12.02**
- E694-99(2010)** Specification for Laboratory Glass Volumetric Apparatus, **14.04**
- E695-03(2009)** Test Method of Measuring Relative Resistance of Wall, Floor, and Roof Construction to Impact Loading, **04.11**
- E696-07(2013)** Specification for Tungsten-Rhenium Alloy Thermocouple Wire, **14.03**
- E697-96(2011)** Practice for Use of Electron-Capture Detectors in Gas Chromatography, **03.06**
- E698-11** Test Method for Arrhenius Kinetic Constants for Thermally Unstable Materials Using Differential Scanning Calorimetry and the Flynn/Wall/Ozawa Method, **14.02**
- E699-09** Practice for Evaluation of Agencies Involved in Testing, Quality Assurance, and Evaluating of Building Components, **14.02**
- E700 Withdrawn 1995; Test Method for Water in Gases Using Karl Fischer Reagent*
- E701-80(2010)** Test Methods for Municipal Ferrous Scrap, **11.04**
- E702-85(2010)** Specification for Municipal Ferrous Scrap, **11.04**
- E703-14** Practice for Electromagnetic (Eddy Current) Sorting of Nonferrous Metals, **03.03**
- E704-13** Test Method for Measuring Reaction Rates by Radioactivation of Uranium-238, **12.02**
- E705-13a** Test Method for Measuring Reaction Rates by Radioactivation of Neptunium-237, **12.02**
- E706 Withdrawn 2011; Master Matrix for Light-Water Reactor Pressure Vessel Surveillance Standards, E 706(O)*
- E707 Withdrawn 2006; Test Method for Skid Resistance Measurements Using the North Carolina State University Variable-Speed Friction Tester*
- E708-79(2011)** Specification for Waste Glass as a Raw Material for the Manufacture of Glass Containers, **11.04**
- E709-14** Guide for Magnetic Particle Testing, **03.03**
- E710 Withdrawn 2006; Test Method for Comparing EMF Stabilities of Base-Metal Thermoelements in Air Using Dual, Simultaneous, Thermal-EMF Indicators*
- E711 Withdrawn 2011; Test Method for Gross Calorific Value of Refuse-Derived Fuel by the Bomb Calorimeter*
- E712-80(2009)** Practice for Laboratory Screening of Metallic Containment Materials for Use With Liquids in Solar Heating and Cooling Systems, **12.02**
- E713 Withdrawn 2010; Guide for Selection of Scales for Metric Building Drawings*
- E714-94(2009)** Specification for Disposable Glass Serological Pipets, **14.04**
- E715-80(2011)** Specification for Gravity-Convection and Forced-Circulation Water Baths, **14.04**
- E716-10** Practices for Sampling and Sample Preparation of Aluminum and Aluminum Alloys for Determination of Chemical Composition by Spectrochemical Analysis, **03.05**
- E717 Withdrawn 2008; Guide for Preparation of the Accreditation Annex of Acoustical Test Standards*
- E718 Withdrawn 1991; Method for Spectrographic Analysis of Cartridge Brass*
- E719 Withdrawn 1987; Test Method for Indentation of Building Materials Surfaces Under Concentrated Loads as a Measure of Serviceability*
- E720-11** Guide for Selection and Use of Neutron Sensors for Determining Neutron Spectra Employed in Radiation-Hardness Testing of Electronics, **12.02**
- E721-11** Guide for Determining Neutron Energy Spectra from Neutron Sensors for Radiation-Hardness Testing of Electronics, **12.02**
- E722-09<sup>1</sup>** Practice for Characterizing Neutron Fluence Spectra in Terms of an Equivalent Monoenergetic Neutron Fluence for Radiation-Hardness Testing of Electronics, **12.02**
- E723-13** Practice for Evaluation of Antimicrobials as Preservatives for Aqueous-Based Products Used in the Paper Industry (Bacterial Spoilage), **11.05**
- E724-98(2012)** Guide for Conducting Static Acute Toxicity Tests Starting with Embryos of Four Species of Saltwater Bivalve Molluscs, **11.06**
- E725-96(2012)** Test Method for Sampling Granular Carriers and Granular Pesticides, **11.05**
- E726-01(2011)<sup>1</sup>** Test Method for Particle Size Distribution of Granular Carriers and Granular Pesticides, **11.05**
- E727/E727M-08(2013)** Test Methods for Determining Bulk Density of Granular Carriers and Granular Pesticides, **11.05**
- E728-91(2009)** Test Method for Resistance to Attrition of Granular Carriers and Granular Pesticides, **11.05**
- E729-96(2007)** Guide for Conducting Acute Toxicity Tests on Test Materials with Fishes, Macroinvertebrates, and Amphibians, **11.06**
- E730 Withdrawn 1994; Guide for Developing Functional Designs for Computerized Systems; Replaced by E622*
- E731 Withdrawn 2000; Guide for Selection and Acquisition of Commercially Available Computerized Systems*
- E732-80(2011)** Specification for Disposable Pasteur-Type Pipet, **14.04**
- E733 Withdrawn 2005; Specification for 44.7- $\mu$ L Disposable Glass Micropipets*
- E734-80(2010)** Specification for Disposable Glass Blood Sample Capillary Tube (Microhematocrit), **14.04**
- E735 Withdrawn 1987; Specification for Minimum Performance Standards for Hand-Held Pipettors with Pipet Tips*
- E736-00(2011)** Test Method for Cohesion/Adhesion of Sprayed Fire-Resistive Materials Applied to Structural Members, **04.11**
- E737 Withdrawn 1993; Practice for Installation of Storm Windows, Replacement Windows, Multi-Glazing, Storm Doors, and Replacement Doors*
- E738-11** Test Method for Determination of Aluminum in Iron Ores and Related Materials by EDTA Complexometric Titrimetry, **03.05**
- E739-10** Practice for Statistical Analysis of Linear or Linearized Stress-Life (*S-N*) and Strain-Life ( $\epsilon$ ) Fatigue Data, **03.01**
- E740/E740M-03(2010)<sup>2</sup>** Practice for Fracture Testing with Surface-Crack Tension Specimens, **03.01**
- E741-11** Test Method for Determining Air Change in a Single Zone by Means of a Tracer Gas Dilution, **04.11**
- E742 Withdrawn 1988; Definitions of Terms Relating to Fluid Aqueous and Chemical Environmentally Affected Fatigue Testing; Replaced by E1150*
- E743 Withdrawn 1998; Guide for Spectrochemical Laboratory Quality Assurance*
- E744-07** Practice for Evaluating Solar Absorptive Materials for Thermal Applications, **12.02**
- E745-80(2009)** Practices for Simulated Service Testing for Corrosion of Metallic Containment Materials for Use With Heat-Transfer Fluids in Solar Heating and Cooling Systems, **12.02**
- E746-07(2014)** Practice for Determining Relative Image Quality Response of Industrial Radiographic Imaging Systems, **03.03**
- E747-04(2010)** Practice for Evaluation, Manufacture and Material Grouping Classification of Wire Image Quality Indicators (IQI) Used for Radiology, **03.03**
- E748-02(2008)** Practices for Thermal Neutron Radiography of Materials, **03.03**
- E749/E749M-12** Practice for Acoustic Emission Monitoring During Continuous Welding, **03.03**
- E750-10** Practice for Characterizing Acoustic Emission Instrumentation, **03.03**
- E751/E751M-12** Practice for Acoustic Emission Monitoring During Resistance Spot-Welding, **03.03**
- E752 Withdrawn 1995; Practice for Safety and Health Requirements Relating to Occupational Exposure to Carbon Disulfide*
- E753 Withdrawn 2001; Specification for Municipal Aluminum Scrap (MAS)*
- E754-80(2006)** Test Method for Pullout Resistance of Ties and Anchors Embedded in Masonry Mortar Joints, **04.11**
- E755-08** Test Method for Dicumyl Peroxide, Assay (Liquid Chromatography), **15.05**
- E756-05(2010)** Test Method for Measuring Vibration-Damping Properties of Materials, **04.06**
- E757 Withdrawn 2000; Test Method for Efficacy of Canine Reproduction Inhibitors*
- E758 Withdrawn 2010; Test Method for Mammalian Acute Percutaneous Toxicity*
- E759-92(2011)** Test Method for Effect of Deflection on Sprayed Fire-Resistive Material Applied to Structural Members, **04.11**
- E760-92(2011)** Test Method for Effect of Impact on Bonding of Sprayed Fire-Resistive Material Applied to Structural Members, **04.11**
- E761-92(2011)** Test Method for Compressive Strength of Sprayed Fire-Resistive Material Applied to Structural Members, **04.11**
- E762 Not Assigned*
- E763 Withdrawn 1997; Practice for Calculation of Absorbed Dose From Neutron Irradiation by Application of Threshold-Foil Measurement Data*
- E764 Withdrawn 1998; Practice for Identifying Test Methods for Breeder Reactor Core Materials*
- E765 Withdrawn 1991; Practice for Evaluation of Cover Materials for Flat Plate Solar Collectors*
- E766-14** Practice for Calibrating the Magnification of a Scanning Electron Microscope, **03.01**
- E767 Withdrawn 2005; Test Method for Shear Strength Properties of Metal Connector Plates*

**E768-99(2010)** Guide for Preparing and Evaluating Specimens for Automatic Inclusion Assessment of Steel, **03.01**

*E769 Withdrawn 2011; Test Methods for Odor of Methanol, Ethanol, n-Propanol, and Isopropanol*

*E770 Withdrawn 1992; Method for Classifying Pavement Surface Textures*

*E771 Withdrawn 2001; Test Method for Spontaneous Heating Tendency of Materials*

**E772-13** Terminology of Solar Energy Conversion, **12.02**

*E773 Withdrawn 2010; Test Method for Accelerated Weathering of Sealed Insulating Glass Units*

*E774 Withdrawn 2006; Specification for Classification of the Durability of Sealed Insulating Glass Units*

**E775-87(2008)<sup>1</sup>** Test Methods for Total Sulfur in the Analysis Sample of Refuse-Derived Fuel, **11.04**

**E776-87(2009)** Test Method for Forms of Chlorine in Refuse-Derived Fuel, **11.04**

**E777-08** Test Method for Carbon and Hydrogen in the Analysis Sample of Refuse-Derived Fuel, **11.04**

**E778-08** Test Methods for Nitrogen in the Analysis Sample of Refuse-Derived Fuel, **11.04**

**E779-10** Test Method for Determining Air Leakage Rate by Fan Pressurization, **04.11**

**E780-06(2011)** Test Method for Measuring the Insulation Resistance of Mineral-Insulated, Metal-Sheathed Thermocouples and Thermocouple Cable at Room Temperature, **14.03**

**E781-86(2009)** Practice for Evaluating Absorptive Solar Receiver Materials When, **12.02**

**E782-95(2007)** Practice for Exposure of Cover Materials for Solar Collectors to Natural Weathering Under Conditions Simulating Operational Mode, **12.02**

**E783-02(2010)** Test Method for Field Measurement of Air Leakage Through Installed Exterior Windows and Doors, **04.11**

**E784-89(2011)** Specification for Clamps, Utility, Laboratory, and Holders, Buret and Clamp, **14.04**

**E785-81(2011)** Specification for Crucibles, Ignition, Laboratory, Metal, **14.04**

**E786-81(2011)** Specification for Dishes, Evaporating, Platinum, **14.04**

**E787-81(2011)** Specification for Disposable Glass Micro Blood Collection Pipets, **14.04**

**E788-97(2013)** Specification for Pipet, Blood Diluting, **14.04**

*E789 Withdrawn 2007; Test Method for Dust Explosions in a 1.2-Litre Closed Cylindrical Vessel*

**E790-08** Test Method for Residual Moisture in a Refuse-Derived Fuel Analysis Sample, **11.04**

**E791-08** Test Method for Calculating Refuse-Derived Fuel Analysis Data from As-Determined to Different Bases, **11.04**

*E792 Withdrawn 2003; Guide for Selection of a Clinical Laboratory Information Management System*

**E793-06(2012)** Test Method for Enthalpies of Fusion and Crystallization by Differential Scanning Calorimetry, **14.02**

**E794-06(2012)** Test Method for Melting And Crystallization Temperatures By Thermal Analysis, **14.02**

**E795-05(2012)** Practices for Mounting Test Specimens During Sound Absorption Tests, **04.06**

*E796 Withdrawn 2009; Test Method for Ductility Testing of Metallic Foil*

**E797/E797M-10** Practice for Measuring Thickness by Manual Ultrasonic Pulse-Echo Contact Method, **03.03**

**E798-96(2009)** Practice for Conducting Irradiations at Accelerator-Based Neutron Sources, **12.02**

**E799-03(2009)** Practice for Determining Data Criteria and Processing for Liquid Drop Size Analysis, **14.02**

**E800-07** Guide for Measurement of Gases Present or Generated During Fires, **04.07**

**E801-06(2011)** Practice for Controlling Quality of Radiological Examination of Electronic Devices, **03.03**

**E802-95(2010)** Reference Radiographs for Gray Iron Castings Up to 4, **03.03**

**E803-91(2013)** Test Method for Determining the, **03.03**

*E804 Withdrawn 1994; Practice for Calibration of the Ultrasonic Test System by Extrapolation Between Flat Bottom Hole Sizes*

**E805-12a** Practice for Identification of Instrumental Methods of Color or Color-Difference Measurement of Materials, **06.01**

**E806-08** Test Method for Carbon Tetrachloride and Chloroform in Liquid Chlorine by Direct Injection (Gas Chromatographic Procedure), **15.05**

*E807 Withdrawn 2001; Practice for Metallographic Laboratory Evaluation*

**E808-01(2009)** Practice for Describing Retroreflection, **06.01**

**E809-08(2013)** Practice for Measuring Photometric Characteristics of Retroreflectors, **06.01**

**E810-03(2013)** Test Method for Coefficient of Retroreflection of Retroreflective Sheeting Utilizing the Coplanar Geometry, **06.01**

**E811-09** Practice for Measuring Colorimetric Characteristics of Retroreflectors Under Nighttime Conditions, **06.01**

*E812 Withdrawn 2005; Test Method for Crack Strength of Slow-Bend Pre-cracked Charpy Specimens of High-Strength Metallic Materials*

*E813 Withdrawn 1997; Test Method for  $J_{IC}$ , a Measure of Fracture Toughness; Replaced by E1737*

**E814-13a** Test Method for Fire Tests of Penetration Firestop Systems, **04.07**

**E815-11** Test Method for Determination of Calcium Fluoride in Fluorspar by Complexometric Titrimetry, **03.05**

**E816-05(2010)** Test Method for Calibration of Pyrheliometers by Comparison to Reference Pyrheliometers, **14.04**

*E817 Not Assigned*

*E818 Not Assigned*

*E819 Withdrawn 2003; Test Method for Trace Amounts of Arsenic in Organic Industrial Chemicals*

*E820 Withdrawn 1988; Practice for Determining Absolute Absorbed Dose Rates for Electron Beams*

**E821-96(2009)** Practice for Measurement of Mechanical Properties During Charged-Particle Irradiation, **12.02**

**E822-92(2009)** Practice for Determining Resistance of Solar Collector Covers to Hail by Impact With Propelled Ice Balls, **12.02**

*E823 Withdrawn 2010; Practice for Nonoperational Exposure and Inspection of a Solar Collector*

**E824-10** Test Method for Transfer of Calibration From Reference to Field Radiometers, **14.04**

**E825-98(2009)** Specification for Phase Change-Type Disposable Fever Thermometer for Intermittent Determination of Human Temperature, **13.01**

**E826-14** Practice for Testing Homogeneity of a Metal Lot or Batch in Solid Form by Spark Atomic Emission Spectrometry, **03.05**

**E827-08** Practice for Identifying Elements by the Peaks in Auger Electron Spectroscopy, **03.06**

*E828 Withdrawn 2009; Test Method for Designating the Size of RDF-3 From its Sieve Analysis*

*E829 Withdrawn 2003; Practice for Preparing Refuse-Derived Fuel (RDF) Laboratory Samples for Analysis*

*E830 Withdrawn 2011; Test Method for Ash in the Analysis Sample of Refuse-Derived Fuel*

**E831-13** Test Method for Linear Thermal Expansion of Solid Materials by Thermomechanical Analysis, **14.02**

**E832-81(2013)** Specification for Laboratory Filter Papers, **14.04**

**E833-14** Terminology of Building Economics, **04.11**

**E834-09** Practice for Determining Vacuum Chamber Gaseous Environment Using a Cold Finger, **15.03**

*E835M Withdrawn 1990; Replaced by E835/E835M*

*E835/E835M Withdrawn 2011; Guide for Modular Coordination of Clay and Concrete Masonry Units*

*E836 Not Assigned*

**E837-13a** Test Method for Determining Residual Stresses by the Hole-Drilling Strain-Gage Method, **03.01**

*E838 Withdrawn 1992; Practice for Performing Accelerated Outdoor Weathering Using Concentrated Natural Sunlight*

**E839-11** Test Methods for Sheathed Thermocouples and Sheathed Thermocouple Cable, **14.03**

**E840-95(2013)** Practice for Using Flame Photometric Detectors in Gas Chromatography, **03.06**

**E841-12a** Test Method for Determination of Copper in Iron Ores and Related Materials by Flame Atomic Absorption Spectrometry, **03.05**

*E842 Withdrawn 1991; Specification for Lawn Buildings*

*E843 Withdrawn 1991; Specification for Patio Covers, Carports, and Canopies*

**E844-09** Guide for Sensor Set Design and Irradiation for Reactor Surveillance, E706 (IIC), **12.02**

*E845 Withdrawn 1988; Method for Calibration of Dosimeters Against an Adiabatic Calorimeter for Use in Flash X-Ray Fields*

*E846 Withdrawn 1991; Matrix for Light-Water Reactor Spent-Fuel Transportation*

*E847 Not Assigned*

**E848-94(2012)** Guide for Safety and Health Requirements Relating to Occupational Exposure to Water-Insoluble Chromates, **06.01**

*E849 Withdrawn 1995; Practice for Safety and Health Requirements Relating to Occupational Exposure to Asbestos*

**E850-10** Guide for Characterization of Inorganic Process Wastes for Use as Structural Fill, **11.04**

*E851 Withdrawn 1998; Practice for Evaluation of Spectrochemical Laboratories*

*E852 Withdrawn 2000; Test Methods for  $C_{12}$ - $C_{13}$  Plasticizer Grade Alcohols*

**E853-13** Practice for Analysis and Interpretation of Light-Water Reactor Surveillance Results, **12.02**

**E854-03(2009)** Test Method for Application and Analysis of Solid State Track Recorder (SSTR) Monitors for Reactor Surveillance, E706(IIIB), **12.02**

**E855-08(2013)** Test Methods for Bend Testing of Metallic Flat Materials for Spring Applications Involving Static Loading, **03.01**

*E856 Withdrawn 2011; Definitions of Terms and Abbreviations Relating to Physical and Chemical Characteristics of Refuse Derived Fuel*

**E857-05(2012)** Practice for Conducting Subacute Dietary Toxicity Tests with Avian Species, **11.06**

*E858 Withdrawn 1991; Test Method for Birefringence in Fibers of Circular Cross Section by a Variable Compensator*

**E859-93(2011)** Test Method for Air Erosion of Sprayed Fire-Resistive Materials (SFRMs) Applied to Structural Members, **04.11**

**E860-07(2013)<sup>1</sup>** Practice for Examining And Preparing Items That Are Or May Become Involved In Criminal or Civil Litigation, **14.02**

**E861-13** Practice for Evaluating Thermal Insulation Materials for Use in Solar Collectors, **12.02**

*E862 Not Assigned*

*E863 Withdrawn 2004; Practice for Describing Atomic Absorption Spectrometric Equipment*

**E864-12** Practice for Surface Preparation of Aluminum Alloys to Be Adhesively Bonded in Honeycomb Shelter Panels, **04.11**

**E865-12** Specification for Structural Film Adhesives for Honeycomb Sandwich Panels, **04.11**

**E866-11** Specification for Corrosion-Inhibiting Adhesive Primer for Aluminum Alloys to Be Adhesively Bonded in Honeycomb Shelter Panels, **04.11**

**E867-06(2012)** Terminology Relating to Vehicle-Pavement Systems, **04.03**

- E868* Withdrawn 2013; *Test Methods for Conducting Performance Tests on Mechanical Conveying Equipment Used in Resource Recovery Systems*
- E869* Withdrawn 2009; *Test Method for Performance Evaluation of Fuel Ethanol Manufacturing Facilities*
- E870-82(2013)** Test Methods for Analysis of Wood Fuels, **05.06**
- E871-82(2013)** Test Method for Moisture Analysis of Particulate Wood Fuels, **05.06**
- E872-82(2013)** Test Method for Volatile Matter in the Analysis of Particulate Wood Fuels, **05.06**
- E873-82(2013)** Test Method for Bulk Density of Densified Particulate Biomass Fuels, **05.06**
- E874-11** Practice for Adhesive Bonding of Aluminum Facings to Nonmetallic Honeycomb Core for Shelter Panels, **04.11**
- E875-10** Test Method for Efficacy of Fungal Control Agents as Preservatives for Aqueous-Based Products Used in the Paper Industry, **11.05**
- E876* Withdrawn 2003; *Practice for Use of Statistics in the Evaluation of Spectrometric Data*
- E877-13** Practice for Sampling and Sample Preparation of Iron Ores and Related Materials for Determination of Chemical Composition and Physical Properties, **03.05**
- E878-12** Test Method for Determination of Titanium in Iron Ores and Related Materials by Diantiprylmethane Ultraviolet Spectrophotometry, **03.05**
- E879-12** Specification for Thermistor Sensors for General Purpose and Laboratory Temperature Measurements, **14.03**
- E880* Withdrawn 1997; *Guide for Evaluating the Usefulness of Herbicides on Corn (All Types)*
- E881-92(2009)** Practice for Exposure of Solar Collector Cover Materials to Natural Weathering Under Conditions Simulating Stagnation Mode, **12.02**
- E882-10** Guide for Accountability and Quality Control in the Chemical Analysis Laboratory, **03.05**
- E883-11** Guide for Reflected-Light Photomicrography, **03.01**
- E884-82(2012)** Practice for Sampling Airborne Microorganisms at Municipal Solid-Waste Processing Facilities, **11.04**
- E885* Withdrawn 2009; *Test Methods for Analyses of Metals in Refuse-Derived Fuel by Atomic Absorption Spectroscopy*
- E886* Withdrawn 2003; *Practices for Dissolution of Refuse-Derived Fuel (RDF) Ash Samples for Analyses of Metals*
- E887-88(2009)** Test Method for Silica in Refuse-Derived Fuel (RDF) and RDF Ash, **11.04**
- E888* Not Assigned
- E889-82(2014)** Test Method for Composition or Purity of a Solid Waste Materials Stream, **11.04**
- E890-94(2009)** Specification for Disposable Glass Culture Tubes, **14.04**
- E891* Withdrawn 1999; *Tables for Terrestrial Direct Normal Solar Spectral Irradiance for Air Mass 1.5; Replaced by G159*
- E892* Withdrawn 1999; *Tables for Terrestrial Solar Spectral Irradiance at Air Mass 1.5 for a 37° Tilted Surface; Replaced by G159*
- E893* Redesignated C989
- E894-88(2010)** Test Method for Anchorage of Permanent Metal Railing Systems and Rails for Buildings, **04.11**
- E895* Withdrawn 2013; *Practice for Determination of Hydrolysis Rate Constants of Organic Chemicals in Aqueous Solutions*
- E896* Withdrawn 2013; *Test Method for Conducting Aqueous Direct Photolysis Tests*
- E897* Withdrawn 2011; *Test Method for Volatile Matter in the Analysis Sample of Refuse-Derived Fuel*
- E898-88(2013)** Test Method of Testing Top-Loading, Direct-Reading Laboratory Scales and Balances, **14.04**
- E899* Withdrawn 1992; *Guide for Records Management in Mass Spectrometry Laboratories Performing Analysis in Support of Nonclinical Laboratory Studies*
- E900-02(2007)** Guide for Predicting Radiation-Induced Transition Temperature Shift in Reactor Vessel Materials, E706 (IIF), **12.02**
- E901* Withdrawn 2001; *Classification System for Uranium Resources*
- E902* Withdrawn 2011; *Practice for Checking the Operating Characteristics of X-Ray Photoelectron Spectrometers*
- E903-12** Test Method for Solar Absorbance, Reflectance, and Transmittance of Materials Using Integrating Spheres, **12.02**
- E904* Withdrawn 2013; *Practice for Generating All-Day Thermal Performance Data for Solar Collectors*
- E905-87(2013)** Test Method for Determining Thermal Performance of Tracking Concentrating Solar Collectors, **12.02**
- E906/E906M-14** Test Method for Heat and Visible Smoke Release Rates for Materials and Products Using a Thermopile Method, **04.07**
- E907* Withdrawn 2013; *Test Method for Field Testing Uplift Resistance of Adhered Membrane Roofing Systems*
- E908-98(2012)** Practice for Calibrating Gaseous Reference Leaks, **03.03**
- E909* Withdrawn 1990; *Master Matrix for Development of Standards to Assist in Safeguarding of Nuclear Materials*
- E910-07(2013)** Test Method for Application and Analysis of Helium Accumulation Fluence Monitors for Reactor Vessel Surveillance, E706 (IIIC), **12.02**
- E911-98(2009)** Specification for Glass Stopcocks with Polytetrafluoroethylene (PTFE) Plugs, **14.04**
- E912* Withdrawn 1988; *Definitions of Terms Relating to Fatigue Loading; Replaced by E1150*
- E913* Withdrawn 2005; *Method for Calibration of Reference Pyranometers with Axis Vertical by the Shading Method; Replaced by G167*
- E914* Withdrawn 1994; *Practice for Evaluating Temperature Scale for Thermogravimetry; Replaced by E1582*

- E915-10** Test Method for Verifying the Alignment of X-Ray Diffraction Instrumentation for Residual Stress Measurement, **03.01**
- E916* Withdrawn 2000; *Guide for Reporting Employee Health History Information and Core Physical Examination Results*
- E917-13** Practice for Measuring Life-Cycle Costs of Buildings and Building Systems, **04.11**
- E918-83(2011)** Practice for Determining Limits of Flammability of Chemicals at Elevated Temperature and Pressure, **14.02**
- E919* Withdrawn 2000; *Specification for Software Documentation for a Computerized System*
- E920-97(2013)** Specification for Commercially Packaged Laboratory Apparatus, **14.04**
- E921-97(2010)** Specification for Export Packaged Laboratory Apparatus, **14.04**
- E922* Not Assigned
- E923-97(2013)** Specification for Glass Westergren Tube, Reusable, **14.04**
- E924* Withdrawn 2003; *Guide for Quality Assurance of Laboratories Using Molecular Spectroscopy*
- E925-09(2014)** Practice for Monitoring the Calibration of Ultraviolet-Visible Spectrophotometers whose Spectral Bandwidth does not Exceed 2 nm, **03.06**
- E926* Withdrawn 2003; *Practice for Preparing Refuse-Derived Fuel (RDF) Samples for Analyses of Metals*
- E927-10** Specification for Solar Simulation for Photovoltaic Testing, **12.02**
- E928-08** Test Method for Purity by Differential Scanning Calorimetry, **14.02**
- E929* Withdrawn 2014; *Test Method for Measuring Electrical Energy Requirements of Processing Equipment*
- E930-99(2007)** Test Methods for Estimating the Largest Grain Observed in a Metallographic Section (ALA Grain Size), **03.01**
- E931* Withdrawn 1996; *Practice for Classification of Occupancies for Their Relative Fire Hazard*
- E932-89(2013)** Practice for Describing and Measuring Performance of Dispersive Infrared Spectrometers, **03.06**
- E933* Not Assigned
- E934-94(2009)** Specification for Serological Pipet, Disposable Plastic, **14.04**
- E935-13<sup>c1</sup>** Test Methods for Performance of Permanent Metal Railing Systems and Rails for Buildings, **04.11**
- E936* Withdrawn 2012; *Practice for Roof System Assemblies Employing Steel Deck, Preformed Roof Insulation, and Bituminous Built-Up Roofing*
- E937-93(2011)** Test Method for Corrosion of Steel by Sprayed Fire-Resistive Material (SFRM) Applied to Structural Members, **04.11**
- E938/E938M-12** Test Method for Effectiveness of Liquid, Gel, Cream, or Shampoo Insecticides Against Adult Human Lice, **11.05**
- E939-94(2012)** Test Method of Field Testing Topical Applications of Compounds as Repellents for Medically Important and Pest Arthropods (Including Insects, Ticks, and Mites); Mosquitoes, **11.05**
- E940* Withdrawn 1997; *Guide for Evaluating the Usefulness of Herbicides on Soybeans*
- E941* Withdrawn 2005; *Test Method for Calibration of Reference Pyranometers With Axis Tilted by the Shading Method; Replaced by G167*
- E942-96(2011)** Guide for Simulation of Helium Effects in Irradiated Metals, **12.02**
- E943-08** Terminology Relating to Biological Effects and Environmental Fate, **11.06**
- E944-13** Guide for Application of Neutron Spectrum Adjustment Methods in Reactor Surveillance, E706 (IIA), **12.02**
- E945-12** Test Method for Determination of Zinc in Zinc Ores and Concentrates by EDTA Complexometric Titrimetry, **03.05**
- E946* Withdrawn 1996; *Test Method for Water Absorption of Bentonite by the Porous Plate Method*
- E947-83(2007)** Specification for Sampling Single-Phase Geothermal Liquid or Steam for Purposes of Chemical Analysis, **12.02**
- E948-09** Test Method for Electrical Performance of Photovoltaic Cells Using Reference Cells Under Simulated Sunlight, **12.02**
- E949* Withdrawn 2011; *Test Method for Total Moisture in a Refuse-Derived Fuel Laboratory Sample*
- E950/E950M-09** Test Method for Measuring the Longitudinal Profile of Traveled Surfaces with an Accelerometer Established Inertial Profiling Reference, **04.03**
- E951-94(2006)** Test Methods for Laboratory Testing of Non-Commercial Mosquito Repellent Formulations On the Skin, **11.05**
- E952* Withdrawn 1997; *Guide for Evaluating the Usefulness of Herbicides on Cotton*
- E953/E953M-08** Test Method for Fusibility of Refuse-Derived Fuel (RDF) Ash, **11.04**
- E954* Withdrawn 2003; *Practice for Packaging and Shipping of Laboratory Samples of Refuse-Derived Fuel*
- E955-88(2009)<sup>c1</sup>** Test Method for Thermal Characteristics of Refuse-Derived Fuel Macrosamples, **11.04**
- E956-83(2010)** Classification for Municipal-Mixed Nonferrous Metals (MNM), **11.04**
- E957-03(2011)<sup>c1</sup>** Terminology Relating to Geothermal Energy, **12.02**
- E958-13** Practice for Estimation of the Spectral Bandwidth of Ultraviolet-Visible Spectrophotometers, **03.06**
- E959-83(2010)** Test Method for Characterizing the Performance of Refuse Size-Reduction Equipment, **11.04**
- E960-93(2013)** Specification for Laboratory Glass Beakers, **14.04**
- E961-97(2013)** Specification for Blood Sedimentation Tube, Wintrobe, Glass, Reusable, **14.04**
- E962* Not Assigned
- E963-95(2010)** Practice for Electrolytic Extraction of Phases from Ni and Ni-Fe

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- E964-06(2010)** Practice for Measuring Benefit-to-Cost and Savings-to-Investment Ratios for Buildings and Building Systems, **04.11**
- E965-96(2006)** Test Method for Measuring Pavement Macrotexture Depth Using a Volumetric Technique, **04.03**
- E966-10<sup>1</sup>** Guide for Field Measurements of Airborne Sound Attenuation of Building Facades and Facade Elements, **04.06**
- E967-08(2014)** Test Method for Temperature Calibration of Differential Scanning Calorimeters and Differential Thermal Analyzers, **14.02**
- E968-02(2014)** Practice for Heat Flow Calibration of Differential Scanning Calorimeters, **14.02**
- E969-02(2012)** Specification for Glass Volumetric (Transfer) Pipets, **14.04**
- E970-14** Test Method for Critical Radiant Flux of Exposed Attic Floor Insulation Using a Radiant Heat Energy Source, **04.07**
- E971-11** Practice for Calculation of Photometric Transmittance and Reflectance of Materials to Solar Radiation, **12.02**
- E972-96(2013)** Test Method for Solar Photometric Transmittance of Sheet Materials Using Sunlight, **12.02**
- E973-10** Test Method for Determination of the Spectral Mismatch Parameter Between a Photovoltaic Device and a Photovoltaic Reference Cell, **12.02**
- E974-00(2006)** Guide for Specifying Thermal Performance of Geothermal Power Systems, **12.02**
- E975-13** Practice for X-Ray Determination of Retained Austenite in Steel with Near Random Crystallographic Orientation, **03.01**
- E976-10** Guide for Determining the Reproducibility of Acoustic Emission Sensor Response, **03.03**
- E977-05(2014)** Practice for Thermoelectric Sorting of Electrically Conductive Materials, **03.03**
- E978 Withdrawn 2003; Practice for Evaluating Mathematical Models for the Environmental Fate of Chemicals*
- E979-09** Practice for Evaluation of Antimicrobial Agents as Preservatives for Invert Emulsion and Other Water Containing Hydraulic Fluids, **11.05**
- E980 Not Assigned*
- E981-04(2012)** Test Method for Estimating Sensory Irritancy of Airborne Chemicals, **11.06**
- E982-94(2009)** Specification for Laboratory Glass Test Tubes, **14.04**
- E983-10** Guide for Minimizing Unwanted Electron Beam Effects in Auger Electron Spectroscopy, **03.06**
- E984-12** Guide for Identifying Chemical Effects and Matrix Effects in Auger Electron Spectroscopy, **03.06**
- E985-00(2006)** Specification for Permanent Metal Railing Systems and Rails for Buildings, **04.11**
- E986-04(2010)** Practice for Scanning Electron Microscope Beam Size Characterization, **03.01**
- E987-88(2009)** Test Methods for Deglazing Force of Fenestration Products, **04.11**
- E988 Withdrawn 2011; Temperature-Electromotive Force (EMF) Tables for Tungsten-Rhenium Thermocouples*
- E989-06(2012)** Classification for Determination of Impact Insulation Class (IIC), **04.06**
- E990-13** Specification for Core-Splice Adhesive for Honeycomb Sandwich Structural Panels, **04.11**
- E991-11** Practice for Color Measurement of Fluorescent Specimens Using the One-Monochromator Method, **06.01**
- E992 Withdrawn 1997; Practice for Determination of Fracture Toughness of Steels Using Equivalent Energy Methodology*
- E993 Withdrawn 2010; Test Method for Evaluation of Delayed Contact Hypersensitivity*
- E994 Withdrawn 2004; Guide for Calibration and Testing Laboratory Accreditation Systems General Requirements for Operation and Recognition*
- E995-11** Guide for Background Subtraction Techniques in Auger Electron Spectroscopy and X-Ray Photoelectron Spectroscopy, **03.06**
- E996-10** Practice for Reporting Data in Auger Electron Spectroscopy and X-ray Photoelectron Spectroscopy, **03.06**
- E997-14** Test Method for Evaluating Glass Breakage Probability Under the Influence of Uniform Static Loads by Proof Load Testing, **04.11**
- E998-12** Test Method for Structural Performance of Glass in Windows, Curtain Walls, and Doors Under the Influence of Uniform Static Loads by Nondestructive Method, **04.11**
- E999-10** Guide for Controlling the Quality of Industrial Radiographic Film Processing, **03.03**
- E1000-98(2009)** Guide for Radioscopy, **03.03**
- E1001-11** Practice for Detection and Evaluation of Discontinuities by the Immersed Pulse-Echo Ultrasonic Method Using Longitudinal Waves, **03.03**
- E1002-11** Practice for Leaks Using Ultrasonics, **03.03**
- E1003-13** Practice for Hydrostatic Leak Testing, **03.03**
- E1004-09** Test Method for Determining Electrical Conductivity Using the Electromagnetic (Eddy-Current) Method, **03.03**
- E1005-10** Test Method for Application and Analysis of Radiometric Monitors for Reactor Vessel Surveillance, E706 (IIIA), **12.02**
- E1006-13** Practice for Analysis and Interpretation of Physics Dosimetry Results from Test Reactor Experiments, **12.02**
- E1007-13b** Test Method for Field Measurement of Tapping Machine Impact Sound Transmission Through Floor-Ceiling Assemblies and Associated Support Structures, **04.06**
- E1008-03(2009)** Practice for Installation, Inspection, and Maintenance of Valve-body Pressure-relief Methods for Geothermal and Other High-Temperature Liquid Applications, **12.02**
- E1009-95(2006)** Practice for Evaluating an Optical Emission Vacuum Spectrometer to Analyze Carbon and Low-Alloy Steel, **03.05**
- E1010-09** Practice for Preparation of Disk Specimens of Steel and Iron for Spectrochemical Analysis by Remelting, **03.05**
- E1011 Withdrawn 2001; Specification for Sulfuric Acid*
- E1012-12<sup>1</sup>** Practice for Verification of Testing Frame and Specimen Alignment Under Tensile and Compressive Axial Force Application, **03.01**
- E1013 Withdrawn 2000; Terminology Relating to Computerized Systems*
- E1014-12** Guide for Measurement of Outdoor A-Weighted Sound Levels, **04.06**
- E1015 Withdrawn 1994; Practice for Reporting Spectra in X-Ray Photoelectron Spectroscopy*
- E1016-07(2012)<sup>1</sup>** Guide for Literature Describing Properties of Electrostatic Electron Spectrometers, **03.06**
- E1017 Withdrawn 2003; Specification for Generic Performance Requirements for Exterior Residential Window Assemblies*
- E1018-09(2013)** Guide for Application of ASTM Evaluated Cross Section Data File, Matrix E706 (IIB), **12.02**
- E1019-11** Test Methods for Determination of Carbon, Sulfur, Nitrogen, and Oxygen in Steel, Iron, Nickel, and Cobalt Alloys by Various Combustion and Fusion Techniques, **03.05**
- E1020-13<sup>1</sup>** Practice for Reporting Incidents that May Involve Criminal or Civil Litigation, **14.02**
- E1021-12** Test Method for Spectral Responsivity Measurements of Photovoltaic Devices, **12.02**
- E1022-94(2013)** Guide for Conducting Bioconcentration Tests with Fishes and Saltwater Bivalve Mollusks, **11.06**
- E1023-84(2007)** Guide for Assessing the Hazard of a Material to Aquatic Organisms and Their Uses, **11.06**
- E1024 Withdrawn 2004; Guide for Chemical Analysis of Metals and Metal Bearing Ores by Flame Atomic Absorption Spectrophotometry*
- E1025-11** Practice for Design, Manufacture, and Material Grouping Classification of Hole-Type Image Quality Indicators (IQI) Used for Radiology, **03.03**
- E1026-13** Practice for Using the Fricke Dosimetry System, **12.02**
- E1027 Withdrawn 1996; Practice for Exposure of Polymeric Materials to Ionizing Radiation*
- E1028 Withdrawn 2003; Test Method for Total Iron in Iron Ores and Related Materials by Dichromate Titrimetry*
- E1029 Withdrawn 2003; Guide for Documentation of Clinical Laboratory Computer Systems*
- E1030-05(2011)** Test Method for Radiographic Examination of Metallic Castings, **03.03**
- E1031 Withdrawn 2002; Test Method for X-Ray Emission Spectrometric Analysis of Slag*
- E1032-12** Test Method for Radiographic Examination of Weldments, **03.03**
- E1033-13** Practice for Electromagnetic (Eddy Current) Examination of Type, **03.03**
- E1034-95(2013)** Specification for Nuclear Facility Transient Worker Records, **12.02**
- E1035-13** Practice for Determining Neutron Exposures for Nuclear Reactor, **12.02**
- E1036-12** Test Methods for Electrical Performance of Nonconcentrator Terrestrial Photovoltaic Modules and Arrays Using Reference Cells, **12.02**
- E1037-84(2009)** Test Method for Measuring Particle Size Distribution of RDF-5, **11.04**
- E1038-10** Test Method for Determining Resistance of Photovoltaic Modules to Hail by Impact with Propelled Ice Balls, **12.02**
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- E1040-10** Specification for Physical Characteristics of Nonconcentrator Terrestrial Photovoltaic Reference Cells, **12.02**
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- E1042-02(2014)** Classification for Acoustically Absorptive Materials Applied by Trowel or Spray, **04.06**
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- E1044-96(2011)** Specification for Glass Serological Pipets (General Purpose and Kahn), **14.04**
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- E1046-85(2010)** Specification for Glass Westergren Tube, Disposable, **14.04**
- E1047-85(2010)** Specification for Blood Sedimentation Tube, Wintrobe, Glass, Disposable, **14.04**
- E1048-88(2010)** Specification for Color-Coding Pipets or Containers Coated With Anticoagulants, **14.04**
- E1049-85(2011)<sup>1</sup>** Practices for Cycle Counting in Fatigue Analysis, **03.01**
- E1050-12** Test Method for Impedance and Absorption of Acoustical Materials Using a Tube, Two Microphones and a Digital Frequency Analysis System, **04.06**
- E1051 Withdrawn 1997; Guidelines for Evaluating the Usefulness of Herbicides on Potato*
- E1052-11** Test Method to Assess the Activity of Microbicides against Viruses in Suspension, **11.05**
- E1053-11** Test Method to Assess Virucidal Activity of Chemicals Intended for Disinfection of Inanimate, Nonporous Environmental Surfaces, **11.05**
- E1054-08(2013)** Test Methods for Evaluation of Inactivators of Antimicrobial Agents, **11.05**
- E1055 Withdrawn 2010; Test Method for Evaluation of Eye Irritation in Albino Rabbits*
- E1056-13** Practice for Installation and Service of Solar Domestic Water



- Heating Systems for One- and Two-Family Dwellings, **12.02**
- E1057-06(2010)** Practice for Measuring Internal Rate of Return and Adjusted Internal Rate of Return for Investments in Buildings and Building Systems, **04.11**
- E1058 Withdrawn 2010; Practice for Toxic Contamination of the Environment in the Operator Enclosure of Self-Propelled Agriculture Vehicles*
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- E1061-01(2007)** Specification for Direct-Reading Liquid Crystal Forehead Thermometers, **13.01**
- E1062 Withdrawn 2000; Practice for Conducting Reproductive Studies with Avian Species*
- E1063 Withdrawn 1998; Test Method for X-Ray Emission Spectrometric Determination of Cerium and Lanthanum in Carbon and Low-Alloy Steels*
- E1064-12** Test Method for Water in Organic Liquids by Coulometric Karl Fischer Titration, **15.05**
- E1065/E1065M-14** Practice for Evaluating Characteristics of Ultrasonic Search Units, **03.03**
- E1066/E1066M-12** Practice for Ammonia Colorimetric Leak Testing, **03.03**
- E1067/E1067M-11** Practice for Acoustic Emission Examination of Fiberglass Reinforced Plastic Resin (FRP) Tanks/Vessels, **03.03**
- E1068-85(2009)** Test Method for Testing Nonmetallic Seal Materials by Immersion in a Simulated Geothermal Test Fluid, **12.02**
- E1069-85(2009)** Test Method for Testing Polymeric Seal Materials for Geothermal or High Temperature Service, or both, Under Sealing Stress, **12.02**
- E1070-11** Test Method for Determination of Phosphorus in Iron Ores by Phospho-Molybdenum-Blue Spectrophotometry, **03.05**
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- E1077-14** Test Methods for Estimating the Depth of Decarburization of Steel Specimens, **03.01**
- E1078-09** Guide for Specimen Preparation and Mounting in Surface Analysis, **03.06**
- E1079-10** Practice for Calibration of Transmission Densitometers, **03.03**
- E1080 Withdrawn 1995; Practice for Static Load Testing of Wood-Framed Truss Assemblies*
- E1081 Withdrawn 2002; Test Method for Determination of Total Iron in Iron Ores and Related Materials by Silver Reduction-Dichromate Titration; Replaced by E246*
- E1082-90(2012)** Test Method for Measurement of Vehicular Response to Traveled Surface Roughness, **04.03**
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- E1084-86(2009)** Test Method for Solar Transmittance (Terrestrial) of Sheet Materials Using Sunlight, **12.02**
- E1085-09** Test Method for Analysis of Low-Alloy Steels by X-Ray Fluorescence Spectrometry, **03.05**
- E1086-14** Test Method for Analysis of Austenitic Stainless Steel by Spark Atomic Emission Spectrometry, **03.05**
- E1087 Withdrawn 1996; Practice for Sampling Molten Steel from a Ladle Using an Immersion Sampler to Produce a Specimen for Emission Spectrochemical analysis; Replaced by E59*
- E1088 Withdrawn 1997; Definitions of Terms Relating to Atomizing Devices; Replaced by E1620*
- E1089 Withdrawn 2013; Test Method for Water Penetration of Flat Plate Solar Collectors by Uniform Static Air Pressure Difference*
- E1090-08** Test Method for Dicumyl Peroxide and Dicumyl Peroxide Decomposition Products in Resins, **15.05**
- E1091-13** Specification for Nonmetallic Honeycomb Core for Use in Shelter Panels, **04.11**
- E1092-91(2010)** Specification for Glass Micro Folin Pipet, Disposable, **14.04**
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- E1095-99(2010)** Specification for Common Laboratory Glass Funnel, **14.04**
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- E1097-12** Guide for Determination of Various Elements by Direct Current Plasma Atomic Emission Spectrometry, **03.05**
- E1098 Withdrawn 2001; Specification for Liquid Caustic Soda (Sodium Hydroxide Solution)*
- E1099 Withdrawn 2001; Specification for Soda Ash, Anhydrous (Sodium Carbonate, Anhydrous)*
- E1100 Withdrawn 1998; Test Method for Gas Chromatographic Analysis of Specially Denatured Ethanol, Formula SD-3A*
- E1101 Not Assigned*
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- E1104-98(2009)** Specification for Clinical Thermometer Probe Covers and Sheaths, **13.01**
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- E1106-12** Test Method for Primary Calibration of Acoustic Emission Sensors, **03.03**
- E1107-10** Test Method for Measuring the Throughput of Resource-Recovery Unit Operations, **11.04**
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- E1110-06(2011)** Classification for Determination of Articulation Class, **04.06**
- E1111-07<sup>1</sup>** Test Method for Measuring the Interzone Attenuation of Open Office Components, **04.06**
- E1112-00(2011)** Specification for Electronic Thermometer for Intermittent Determination of Patient Temperature, **13.01**
- E1113 Withdrawn 1994; Guide for Project Definition for Computerized Systems; Replaced by E622*
- E1114-09<sup>1</sup>** Test Method for Determining the Size of Iridium-192 Industrial Radiographic Sources, **03.03**
- E1115-11** Test Method for Evaluation of Surgical Hand Scrub Formulations, **11.05**
- E1116-98(2008)** Test Method for Emulsification Characteristics of Pesticide Emulsifiable Concentrates, **11.05**
- E1117 Withdrawn 2009; Practice for Design of Fuel-Alcohol Manufacturing Facilities*
- E1118/E1118M-11** Practice for Acoustic Emission Examination of Reinforced Thermosetting Resin Pipe (RTRP), **03.03**
- E1119-09** Specification for Industrial Grade Ethylene Glycol, **15.05**
- E1120-08** Specification for Liquid Chlorine, **15.05**
- E1121-12** Practice for Measuring Payback for Investments in Buildings and Building Systems, **04.11**
- E1122 Withdrawn 2006; Practice for Obtaining JK Inclusion Ratings Using Automatic Image Analysis; Replaced by E45*
- E1123-86(2009)** Practices for Mounting Test Specimens for Sound Transmission Loss Testing of Naval and Marine Ship Bulkhead Treatment Materials, **04.06**
- E1124-10** Test Method for Field Measurement of Sound Power Level by the Two-Surface Method, **04.06**
- E1125-10** Test Method for Calibration of Primary Non-Concentrator Terrestrial Photovoltaic Reference Cells Using a Tabular Spectrum, **12.02**
- E1126 Withdrawn 2003; Terminology Relating to Biomass Fuels*
- E1127-08** Guide for Depth Profiling in Auger Electron Spectroscopy, **03.06**
- E1128 Withdrawn 1993; Practice for Establishing Parameters for Testing Dynamic Seals for Geothermal Use*
- E1129/E1129M-08<sup>1</sup>** Specification for Thermocouple Connectors, **14.03**
- E1130-08** Test Method for Objective Measurement of Speech Privacy in Open Plan Spaces Using Articulation Index, **04.06**
- E1131-08(2014)** Test Method for Compositional Analysis by Thermogravimetry, **14.02**
- E1132-13<sup>1</sup>** Practice for Health Requirements Relating to Occupational Exposure to Respirable Crystalline Silica, **11.03**
- E1133-86(2010)** Practice for Performance Testing of Packaged Laboratory Apparatus for United States Government Procurements, **14.04**
- E1134 Withdrawn 2001; Specification for Source-Separated Steel Can*
- E1135-12** Test Method for Comparing the Brightness of Fluorescent Penetrants, **03.03**
- E1136-10** Specification for P195/75R14 Radial Standard Reference Test Tire, **09.02**
- E1137/E1137M-08** Specification for Industrial Platinum Resistance Thermometers, **14.03**
- E1138 Withdrawn 1995; Terminology of Technical Aspects of Products Liability Litigation*
- E1139/E1139M-12** Practice for Continuous Monitoring of Acoustic Emission from Metal Pressure Boundaries, **03.03**
- E1140-95(2010)<sup>1</sup>** Practice for Testing Nitrogen/Phosphorus Thermionic Ionization Detectors for Use In Gas Chromatography, **03.06**
- E1141 Not Assigned*
- E1142-14a** Terminology Relating to Thermophysical Properties, **14.02**
- E1143-05(2010)** Test Method for Determining the Linearity of a Photovoltaic Device Parameter with Respect To a Test Parameter, **12.02**
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- E1147 Withdrawn 2013; Test Method for Partition Coefficient (N-Octanol/Water) Estimation by Liquid Chromatography*
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- E1152 Withdrawn 1996; Test Method for Determining J-R Curves; Replaced by E1737*
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- E1155-14** Test Method for Determining FF Floor Flatness and FL Floor Levelness Numbers, **04.11**
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- E1159-98(2009)** Specification for Thermocouple Materials, Platinum-Rhodium Alloys, and Platinum, **14.03**
- E1160-13** Guide for On-Site Inspection and Verification of Operation of Solar Domestic Hot Water Systems, **12.02**
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- E1162-11** Practice for Reporting Sputter Depth Profile Data in Secondary Ion Mass Spectrometry (SIMS), **03.06**
- E1163-10** Test Method for Estimating Acute Oral Toxicity in Rats, **11.06**
- E1164-12** Practice for Obtaining Spectrometric Data for Object-Color Evaluation, **06.01**
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- E1169-14** Practice for Conducting Ruggedness Tests, **14.02**
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- E1171-09** Test Methods for Photovoltaic Modules in Cyclic Temperature and Humidity Environments, **12.02**
- E1172-87(2011)** Practice for Describing and Specifying a Wavelength-Dispersive X-Ray Spectrometer, **03.05**
- E1173-01(2009)** Test Method for Evaluation of Preoperative, Precatheterization, or Preinjection Skin Preparations, **11.05**
- E1174-13** Test Method for Evaluation of the Effectiveness of Health Care Personnel Handwash Formulations, **11.05**
- E1175-87(2009)** Test Method for Determining Solar or Photopic Reflectance, Transmittance, and Absorbance of Materials Using a Large Diameter Integrating Sphere, **12.02**
- E1176 Withdrawn 1994; Specification for Polyester Grade Ethylene Glycol*
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- E1178-08** Test Methods for Analysis of Acrylonitrile, **15.05**
- E1179-13** Specification for Sound Sources Used for Testing Open Office Components and Systems, **04.06**
- E1180-08** Practice for Preparing Sulfur Prints for Macrostructural Evaluation, **03.01**
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- E1182 Withdrawn 2002; Test Method for Measurement of Surface Layer Thickness by Radial Sectioning*
- E1183 Withdrawn 2009; Test Method for Air Drying RDF-5 for Further Analysis*
- E1184-10** Practice for Determination of Elements by Graphite Furnace Atomic Absorption Spectrometry, **03.05**
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- E1188-11** Practice for Collection and Preservation of Information and Physical Items by a Technical Investigator, **14.02**
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- E1191-03a(2008)** Guide for Conducting Life-Cycle Toxicity Tests with Saltwater Mysids, **11.06**
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- E1197-12** Guide for Conducting a Terrestrial Soil-Core Microcosm Test, **11.06**
- E1198-87(2012)** Practice for Sampling Zooplankton with Pumps, **11.02**
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- E1208-10** Practice for Fluorescent Liquid Penetrant Testing Using the Lipophilic Post-Emulsification Process, **03.03**
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- E1211/E1211M-12** Practice for Leak Detection and Location Using Surface-Mounted Acoustic Emission Sensors, **03.03**
- E1212-12** Practice for Quality Management Systems for Nondestructive Testing Agencies, **03.03**
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- E1214-11** Guide for Use of Melt Wire Temperature Monitors for Reactor Vessel Surveillance, E 706 (IIE), **12.02**
- E1215-93(2012)** Specification for Trailers Used for Measuring Vehicular Response to Road Roughness, **04.03**
- E1216-11** Practice for Sampling for Particulate Contamination by Tape Lift, **15.03**
- E1217-11** Practice for Determination of the Specimen Area Contributing to the Detected Signal in Auger Electron Spectrometers and Some X-Ray Photoelectron Spectrometers, **03.06**
- E1218-04(2012)** Guide for Conducting Static Toxicity Tests with Microalgae, **11.06**
- E1219-10** Practice for Fluorescent Liquid Penetrant Testing Using the Solvent-Removable Process, **03.03**
- E1220-10** Practice for Visible Penetrant Testing Using Solvent-Removable Process, **03.03**
- E1221-12a** Test Method for Determining Plane-Strain Crack-Arrest Fracture Toughness,  $K_{Ic}$ , of Ferritic Steels, **03.01**
- E1222-90(2009)** Test Method for Laboratory Measurement of the Insertion Loss of Pipe Lagging Systems, **04.06**
- E1223 Withdrawn 2000; Specification for Type N Thermocouple Wire*
- E1224 Withdrawn 2003; Guide for Categorizing Fields of Capability for Laboratory Accreditation Purposes*
- E1225-13** Test Method for Thermal Conductivity of Solids Using the Guarded-Comparative-Longitudinal Heat Flow Technique, **14.02**
- E1226-12a** Test Method for Explosibility of Dust Clouds, **14.02**
- E1227 Withdrawn 1991; Terminology Relating to Chemical Analysis of Metals; Combined with E 135*
- E1228-09** Test Method for Assay of Peroxy Esters--Catalyzed Iodometric Procedure, **15.05**
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- E1230 Withdrawn 2001; Test Method for Approximate Determination of Low Molecular Weight Hydrocarbons in Anhydrous Hydrogen Fluoride*
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- E1232-07(2013)** Test Method for Temperature Limit of Flammability of Chemicals, **14.02**
- E1233/E1233M-14** Test Method for Structural Performance of Exterior Windows, Doors, Skylights, and Curtain Walls by Cyclic Air Pressure Differential, **04.11**
- E1234-12** Practice for Handling, Transporting, and Installing Nonvolatile Residue (NVR) Sample Plates Used in Environmentally Controlled Areas for Spacecraft, **15.03**
- E1235-12** Test Method for Gravimetric Determination of Nonvolatile Residue (NVR) in Environmentally Controlled Areas for Spacecraft, **15.03**
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- E1243 Withdrawn 1993; Test Method for Columbite and Tantalum in Ores and Concentrates Involving Ion Exchange*
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- E1247-12** Practice for Detecting Fluorescence in Object-Color Specimens by Spectrophotometry, **06.01**
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- E1250-10** Test Method for Application of Ionization Chambers to Assess the Low Energy Gamma Component of Cobalt-60 Irradiators Used in Radiation-Hardness Testing of Silicon Electronic Devices, **12.02**
- E1251-11** Test Method for Analysis of Aluminum and Aluminum Alloys by Spark Atomic Emission Spectrometry, **03.05**
- E1252-98(2013)<sup>c1</sup>** Practice for General Techniques for Obtaining Infrared Spectra for Qualitative Analysis, **03.06**
- E1253-13** Guide for Reconstitution of Irradiated Charpy-Sized Specimens, **12.02**
- E1254-13** Guide for Storage of Radiographs and Unexposed Industrial Radiographic Films, **03.03**
- E1255-09** Practice for Radioscopy, **03.03**
- E1256-11a** Test Methods for Radiation Thermometers (Single Waveband Type), **14.03**
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- E1263-97(2008)** Guide for Conduct of Micronucleus Assays in Mammalian Bone Marrow Erythrocytes, **13.01**
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- E1271 Withdrawn 2004; Practice for Qualifying Charpy Verification Specimens of Heat-Treated Steel*
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- E1274-03(2012)** Test Method for Measuring Pavement Roughness Using a Profilograph, **04.03**
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- E1279 Withdrawn 2013; Test Method for Biodegradation By a Shake-Flask Die-Away Method*
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- E1283 Withdrawn 2000; Guide for Procurement of Computer-Integrated Manufacturing Systems*
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- E1287 Withdrawn 2008; Practice for Aseptic Sampling of Biological Materials*
- E1288 Withdrawn 2003; Test Method for Durability of Biomass Pellets*
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- E1290 Withdrawn 2013; Test Method for Crack-Tip Opening Displacement (CTOD) Fracture Toughness Measurement*
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- E1295-01(2013)** Guide for Conducting Three-Brood, Renewal Toxicity Tests with, **11.06**
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- E1297-08(2013)** Test Method for Measuring Fast-Neutron Reaction Rates by Radioactivation of Niobium, **12.02**
- E1298-06** Guide for Determination of Purity, Impurities, and Contaminants in Biological Drug Products, **14.02**
- E1299-96(2010)** Specification for Reusable Phase-Change-Type Fever Thermometer for Intermittent Determination of Human Temperature, **13.01**
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- E1301 Withdrawn 2012; Guide for Proficiency Testing by Interlaboratory Comparisons*
- E1302-13** Guide for Acute Animal Toxicity Testing of Water-Miscible Metalworking Fluids, **11.03**
- E1303-95(2010)** Practice for Refractive Index Detectors Used in Liquid Chromatography, **03.06**
- E1304-97(2008)<sup>c1</sup>** Test Method for Plane-Strain (Chevron-Notch) Fracture Toughness of Metallic Materials, **03.01**
- E1305 Withdrawn 1993; Practice for Preparation of Single Element Reference Solutions for Analytical Atomic Spectroscopy; Replaced by E1452*
- E1306-11** Practice for Preparation of Metal and Alloy Samples for Chemical Analysis by Electric Arc Remelting, **03.05**
- E1307-10** Practice for Surface Preparation and Structural Adhesive Bonding of Precured, Nonmetallic Composite Facings to Structural Core for Flat Shelter Panels, **04.11**
- E1308 Withdrawn 2000; Guide for Identification of Polymers (Excludes Thermoset Elastomers) in Computerized Material Property Databases*
- E1309-00(2011)** Guide for Identification of Fiber-Reinforced Polymer-Matrix Composite Materials in Databases, **15.03**
- E1311-89(2010)** Test Method for Minimum Detectable Temperature Difference for Thermal Imaging Systems, **03.03**
- E1312-09(2013)<sup>c1</sup>** Practice for Electromagnetic (Eddy Current) Examination of Ferromagnetic Cylindrical Bar Product Above the Curie Temperature, **03.03**
- E1313 Withdrawn 2000; Guide for Recommended Formats for Data Records Used in Computerization of Mechanical Test Data for Metals*
- E1314 Withdrawn 2000; Practice for Structuring Terminological Records Relating to Computerized Test Reporting and Materials Designation Formats*
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- E1316-14** Terminology for Nondestructive Examinations, **03.03**
- E1317-12** Test Method for Flammability of Marine Surface Finishes, **04.07**
- E1318-09** Specification for Highway Weigh-In-Motion (WIM) Systems with User Requirements and Test Methods, **04.03**
- E1319-98(2009)** Guide for High-Temperature Static Strain Measurement, **03.01**
- E1320-10** Reference Radiographs for Titanium Castings, **03.03**
- E1321-13** Test Method for Determining Material Ignition and Flame Spread Properties, **04.07**
- E1322 Withdrawn 1999; Guide for Selection, Training and Evaluation of Assessors for Laboratory Accreditation Systems*
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- E1324-11** Guide for Measuring Some Electronic Characteristics of Ultrasonic Testing Instruments, **03.03**
- E1325-02(2008)** Terminology Relating to Design of Experiments, **14.02**
- E1326-13** Guide for Evaluating Nonconventional Microbiological Tests Used for Enumerating Bacteria, **11.05**
- E1327-07(2012)<sup>c1</sup>** Test Method for Evaluation of Antimicrobial Handwash Formulations by Utilizing Fingernail Regions, **11.05**
- E1328 Withdrawn 2012; Terminology Relating to Photovoltaic Solar Energy Conversion*
- E1329-10** Practice for Verification and Use of Control Charts in Spectrochemical Analysis, **03.05**
- E1330 Withdrawn 1993; Practice for Preparation of Calibration Solutions for Spectrophotometric and for Spectroscopic Atomic Analyses; Replaced by E1452*
- E1331-09** Test Method for Reflectance Factor and Color by Spectrophotometry Using Hemispherical Geometry, **06.01**
- E1332-10a** Classification for Rating Outdoor-Indoor Sound Attenuation, **04.06**
- E1333-10** Test Method for Determining Formaldehyde Concentrations in Air and Emission Rates from Wood Products Using a Large Chamber, **04.10**
- E1334 Withdrawn 2013; Practice for Rating the Serviceability of a Building or Building-Related Facility; Replaced by E1679*
- E1335-08** Test Methods for Determination of Gold in Bullion by Fire Assay Cupellation Analysis, **03.05**
- E1336-11** Test Method for Obtaining Colorimetric Data From a Visual Display Unit by Spectroradiometry, **06.01**
- E1337-90(2012)** Test Method for Determining Longitudinal Peak Braking Coefficient of Paved Surfaces Using Standard Reference Test Tire, **04.03**
- E1338-09** Guide for Identification of Metals and Alloys in Computerized Material Property Databases, **02.05**
- E1339 Withdrawn 1997; Guide for Identification of Aluminum Alloys and Parts in Computerized Material Property Databases; Replaced by E1338*
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- E1343 Withdrawn 2010; Test Method for Molecular Weight Cutoff Evaluation of Flat Sheet Ultrafiltration Membranes*
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- E1350-13** Guide for Testing Sheathed Thermocouples, Thermocouples Assemblies, and Connecting Wires Prior to, and After Installation or Service, **14.03**
- E1351-01(2012)** Practice for Production and Evaluation of Field Metallographic Replicas, **03.01**
- E1352-08a** Test Method for Cigarette Ignition Resistance of Mock-Up Upholstered Furniture Assemblies, **04.07**
- E1353-08a<sup>1</sup>** Test Methods for Cigarette Ignition Resistance of Components of Upholstered Furniture, **04.07**
- E1354-14** Test Method for Heat and Visible Smoke Release Rates for Materials and Products Using an Oxygen Consumption Calorimeter, **04.07**
- E1355-12** Guide for Evaluating the Predictive Capability of Deterministic Fire Models, **04.07**
- E1356-08(2014)** Test Method for Assignment of the Glass Transition Temperatures by Differential Scanning Calorimetry, **14.02**
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- E1360-05(2010)** Practice for Specifying Color by Using the Optical Society of America Uniform Color Scales System, **06.01**
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- E1363-13** Test Method for Temperature Calibration of Thermomechanical Analyzers, **14.02**
- E1364-95(2012)** Test Method for Measuring Road Roughness by Static Level Method, **04.03**
- E1365 Withdrawn 1994; Practice for Conducting Static Acute Aquatic Toxicity Screening Tests with the Mosquito, Wyeomyia Smithii (Coquillett)*
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- E1368-14** Practice for Visual Inspection of Asbestos Abatement Projects, **11.07**
- E1369-11** Guide for Selecting Techniques for Treating Uncertainty and Risk in the Economic Evaluation of Buildings and Building Systems, **04.11**
- E1370-14** Guide for Air Sampling Strategies for Worker and Workplace Protection, **11.07**
- E1371 Withdrawn 2006; Test Method for Gravimetric Determination of Phosphorus in Phosphorus-Copper Alloys or Phosphorus-Copper-Silver Alloys*
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- E1374-06(2011)** Guide for Open Office Acoustics and Applicable ASTM Standards, **04.06**
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- E1378-99(2010)** Specification for Laboratory Glass Multiple Neck Distilling/Boiling Flasks, **14.04**
- E1379-90(2010)** Specification for Laboratory Glass Dewar Flask, **14.04**
- E1380-90(2010)** Specification for Color Coding of Laboratory Pipets with Multiple Graduations, 0.1 mL and Larger, But Excluding Disposable Prothrombin and Disposable Micropipets, **14.04**
- E1381 Withdrawn 2003; Specification for Low-Level Protocol to Transfer Messages Between Clinical Laboratory Instruments and Computer Systems*
- E1382-97(2010)** Test Methods for Determining Average Grain Size Using Semiautomatic and Automatic Image Analysis, **03.01**
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- E1384-07(2013)** Practice for Content and Structure of the Electronic Health Record (EHR), **14.01**
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- E1387 Withdrawn 2010; Test Method for Ignitable Liquid Residues in Extracts from Fire Debris Samples by Gas Chromatography*
- E1388-12** Practice for Sampling of Headspace Vapors from Fire Debris Samples, **14.02**
- E1389 Withdrawn 2003; Practice for Cleanup of Fire Debris Sample Extracts by Acid Stripping*
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- E1402-13** Guide for Sampling Design, **14.02**
- E1403-97(2013)** Specification for Laboratory Glass Boiling Flasks, **14.04**
- E1404-94(2013)** Specification for Laboratory Glass Conical Flasks, **14.04**
- E1405-98(2010)** Specification for Laboratory Glass Distillation Flasks, **14.04**
- E1406-95(2010)** Specification for Laboratory Glass Filter Flasks, **14.04**
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- E1408 Withdrawn 2009; Test Method for Laboratory Measurement of the Sound Transmission Loss of Door Panels and Door Systems*
- E1409-13** Test Method for Determination of Oxygen and Nitrogen in Titanium and Titanium Alloys by Inert Gas Fusion, **03.05**
- E1410 Withdrawn 2014; Practice for Specifying Data for Evaluation of Energy Used in Residential Buildings*
- E1411-09** Practice for Qualification of Radioscopic Systems, **03.03**
- E1412-12** Practice for Separation of Ignitable Liquid Residues from Fire Debris Samples by Passive Headspace Concentration With Activated Charcoal, **14.02**
- E1413-13** Practice for Separation of Ignitable Liquid Residues from Fire Debris Samples by Dynamic Headspace Concentration, **14.02**
- E1414/E1414M-11a** Test Method for Airborne Sound Attenuation Between Rooms Sharing a Common Ceiling Plenum, **04.06**
- E1415-91(2012)** Guide for Conducting Static Toxicity Tests With, **11.06**
- E1416-09** Test Method for Radioscopic Examination of Weldments, **03.03**
- E1417/E1417M-13** Practice for Liquid Penetrant Testing, **03.03**
- E1418-10** Practice for Visible Penetrant Testing Using the Water-Washable Process, **03.03**
- E1419-09** Practice for Examination of Seamless, Gas-Filled, Pressure Vessels Using Acoustic Emission, **03.03**
- E1420 Withdrawn 1996; Practice for Specifying Polymeric Materials for Service in Ionizing Radiation Environments*
- E1421-99(2009)** Practice for Describing and Measuring Performance of Fourier Transform Mid-Infrared (FT-MIR) Spectrometers: Level Zero and Level One Tests, **03.06**
- E1422 Withdrawn 2014; Guide for Test Methods for Forensic Writing Ink Comparison*
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- E1424-91(2008)** Test Method for Determining the Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors Under Specified Pressure and Temperature Differences Across the Specimen, **04.11**
- E1425-14** Practice for Determining the Acoustical Performance of Windows, Doors, Skylight, and Glazed Wall Systems, **04.11**
- E1426-98(2009)<sup>1</sup>** Test Method for Determining the Effective Elastic Parameter for X-Ray Diffraction Measurements of Residual Stress, **03.01**
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- E1432-04(2011)** Practice for Defining and Calculating Individual and Group Sensory Thresholds from Forced-Choice Data Sets of, **15.08**
- E1433 Withdrawn 2010; Guide for Selection of Standards on Environmental Acoustics*
- E1434-00(2013)** Guide for Recording Mechanical Test Data of Fiber-Reinforced Composite Materials in Databases, **15.03**
- E1435 Withdrawn 2007; Practice for Handling Densified Articles of Aluminum Oxide Reinforced with Silicon Carbide Whiskers*
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- E1439-12** Guide for Conducting the Frog Embryo Teratogenesis Assay-Xenopus (FETAX), **11.06**
- E1440-91(2012)** Guide for Acute Toxicity Test with the Rotifer Brachionus, **11.06**
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- E1444/E1444M-12 Practice for Magnetic Particle Testing, **03.03**
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- E1446-13 Test Method for Chemical Analysis of Refined Gold by Direct Current Plasma Atomic Emission Spectrometry, **03.05**
- E1447-09 Test Method for Determination of Hydrogen in Titanium and Titanium Alloys by Inert Gas Fusion Thermal Conductivity/Infrared Detection Method, **03.05**
- E1448/E1448M-09 Practice for Calibration of Systems Used for Measuring Vehicular Response to Pavement Roughness, **04.03**
- E1449-92(2011) Guide for Supercritical Fluid Chromatography Terms and Relationships, **03.06**
- E1450-09 Test Method for Tension Testing of Structural Alloys in Liquid Helium, **03.01**
- E1451 *Withdrawn 2007; Guide for Disposal of Wastes Containing Silicon Carbide Whiskers and Fibers*
- E1452 *Withdrawn 2005; Practice for Preparation of Calibration Solutions for Spectrophotometric and for Spectroscopic Atomic Analysis*
- E1453-09 Guide for Storage of Magnetic Tape Media that Contains Analog or Digital Radioscopic Data, **03.03**
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- E1457-13 Test Method for Measurement of Creep Crack Growth Times and Rates in Metals, **03.01**
- E1458-12 Test Method for Calibration Verification of Laser Diffraction Particle Sizing Instruments Using Photomask Reticles, **14.02**
- E1459-13 Guide for Physical Evidence Labeling and Related Documentation, **14.02**
- E1460 *Withdrawn 1999; Specification for Defining and Sharing Modular Health Knowledge Bases (Arden Syntax for Medical Logic Modules)*
- E1461-13 Test Method for Thermal Diffusivity by the Flash Method, **14.02**
- E1462-12 Test Methods for Insulation Integrity and Ground Path Continuity of Photovoltaic Modules, **12.02**
- E1463-92(2012) Guide for Conducting Static and Flow-Through Acute Toxicity Tests With Mysids From the West Coast of the United States, **11.06**
- E1464 *Withdrawn 2014; Guide for Developing Energy Monitoring Protocols for Commercial and Institutional Buildings or Facilities*
- E1465-08a Practice for Radon Control Options for the Design and Construction of New Low-Rise Residential Buildings, **04.11**
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- E1470-92(2006) Test Method for Characterization of Proteins by Electrophoretic Mobility, **14.02**
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- E1472 *Withdrawn 2011; Guide for Documenting Computer Software for Fire Models*
- E1473-09 Test Methods for Chemical Analysis of Nickel, Cobalt, and High-Temperature Alloys, **03.05**
- E1474-14 Test Method for Determining the Heat Release Rate of Upholstered Furniture and Mattress Components or Composites Using a Bench Scale Oxygen Consumption Calorimeter, **04.07**
- E1475-13 Guide for Data Fields for Computerized Transfer of Digital Radiological Examination Data, **03.03**
- E1476-04(2014) Guide for Metals Identification, Grade Verification, and Sorting, **03.03**
- E1477-98a(2013) Test Method for Luminous Reflectance Factor of Acoustical Materials by Use of Integrating-Sphere Reflectometers, **06.01**
- E1478-97(2009) Practice for Visual Color Evaluation of Transparent Sheet Materials, **06.01**
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- E1480-92(2013) Terminology of Facility Management (Building-Related), **04.11**
- E1481-00a(2014)\*<sup>1</sup> Terminology of Railing Systems and Rails for Buildings, **04.11**
- E1482-12 Practice for Use of Gel Filtration Columns for Cytotoxicity Reduction and Neutralization, **11.05**
- E1483 *Withdrawn 2010; Test Method for Assessing Developmental Toxicity in Rats and Rabbits*
- E1484 *Withdrawn 2000; Guide for Formatting and Use of Material and Chemical Property Data and Database Quality Indicators*
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- E1487 *Not Assigned*
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- E1489-08(2013) Practice for Computing Ride Number of Roads from Longitudinal Profile Measurements Made by an Inertial Profile Measuring Device, **04.03**
- E1490-11 Guide for Two Sensory Descriptive Analysis Approaches for Skin Creams and Lotions, **15.08**
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- E1496 *Withdrawn 2012; Test Method for Neutron Radiographic Dimensional Measurements*
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- E1500 *Withdrawn 1998; Practice for Computing Mean Square Numerics from Road Surface Elevation Profile Records*
- E1501 *Withdrawn 2013; Specification for Nighttime Photometric Performance of Retroreflective Pedestrian Markings for Visibility Enhancement*
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- E1503-14 Test Method for Conducting Outdoor Sound Measurements Using a Digital Statistical Sound Analysis System, **04.06**
- E1504-11 Practice for Reporting Mass Spectral Data in Secondary Ion Mass Spectrometry (SIMS), **03.06**
- E1505 *Withdrawn 2010; Guide for Determining SIMS Relative Sensitivity Factors from Ion Implanted External Standards*
- E1506-08 Test Methods for Analysis of Acid-Grade Calcium Fluoride (Fluorspar), **15.05**
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- E1510-95(2013)\*<sup>1</sup> Practice for Installing Fused Silica Open Tubular Capillary Columns in Gas Chromatographs, **03.06**
- E1511-93(2010) Practice for Testing Conductivity Detectors Used in Liquid and Ion Chromatography, **03.06**
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- E1513-93(2011) Practice for Application of Sprayed Fire-Resistive Materials (SFRMs), **04.11**
- E1514-98(2011) Specification for Structural Standing Seam Steel Roof Panel Systems, **04.11**
- E1515-07 Test Method for Minimum Explosible Concentration of Combustible Dusts, **14.02**
- E1516 *Withdrawn 2007; Guide for Packaging of Silicon Carbide Whiskers and Fibers*
- E1517-13 Test Method for Determining the Effectiveness of Liquid, Gel, Cream, or Shampoo Insecticides Against Human Louse Ova, **11.05**
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- E1520-99(2009) Test Method for Particle Counts Per Pound of Granular Carriers and Dry-Applied Granular Formulations, **11.05**
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- E1523-09 Guide to Charge Control and Charge Referencing Techniques in X-Ray Photoelectron Spectroscopy, **03.06**
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- E1527-13 Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, **11.05**
- E1528-14 Practice for Limited Environmental Due Diligence: Transaction Screen Process, **11.05**
- E1529-13 Test Methods for Determining Effects of Large Hydrocarbon Pool Fires on Structural Members and Assemblies, **04.07**
- E1530-11 Test Method for Evaluating the Resistance to Thermal Transmission of Materials by the Guarded Heat Flow Meter Technique, **14.02**
- E1531-00(2006) Practice for Detection of Mycoplasma Contamination of Cell Cultures by Growth on Agarose Medium, **14.02**
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- E1536-00(2006)** Practice for Detection of Mycoplasma Contamination of Bovine Serum by Large Volume Method, **14.02**
- E1537-13** Test Method for Fire Testing of Upholstered Furniture, **04.07**  
*E1541 Withdrawn 2007; Practice for Specifying and Matching Color Using the Colorcurve System*
- E1542-10** Terminology Relating to Occupational Health and Safety, **11.03**
- E1543-00(2011)** Test Method for Noise Equivalent Temperature Difference of Thermal Imaging Systems, **03.03**  
*E1544 Withdrawn 2012; Practice for Construction of a Stepped Block and Its Use to Estimate Errors Produced by Speed-of-Sound Measurement Systems for Use on Solids*
- E1545-11** Test Method for Assignment of the Glass Transition Temperature by Thermomechanical Analysis, **14.02**
- E1546-09a** Guide for Development of Fire-Hazard-Assessment Standards, **04.07**
- E1547-09** Terminology Relating to Industrial and Specialty Chemicals, **15.05**
- E1548-09** Practice for Preparation of Aerospace Contamination Control Plans, **15.03**
- E1549/E1549M-13** Specification for ESD Controlled Garments Required in Cleanrooms and Controlled Environments for Spacecraft for Non-Hazardous and Hazardous Operations, **15.03**  
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- E1551-08** Specification for Special Purpose, Smooth-Tread Tire, Operated on Fixed Braking Slip Continuous Friction Measuring Equipment, **04.03**
- E1552-08** Test Method for Determining Hafnium in Zirconium and Zirconium Alloys By Direct Current Plasma-Atomic Emission Spectrometry, **03.05**  
*E1553 Withdrawn 2002; Practice for Collection of Airborne Particulate Lead During Abatement and Construction Activities; Replaced by D 6785*
- E1554/E1554M-13** Test Methods for Determining Air Leakage of Air Distribution Systems by Fan Pressurization, **04.11**
- E1555-12** Specification for Structural Paste Adhesive for Sandwich Panel Repair, **04.11**
- E1556-12** Specification for Epoxy Resin System for Composite Skin, Honeycomb Sandwich Panel Repair, **04.11**
- E1557-09** Classification for Building Elements and Related Sitework—UNIFORMAT II, **04.11**
- E1558-09** Guide for Electrolytic Polishing of Metallographic Specimens, **03.01**
- E1559-09** Test Method for Contamination Outgassing Characteristics of Spacecraft Materials, **15.03**
- E1560-11<sup>c1</sup>** Test Method for Gravimetric Determination of Nonvolatile Residue From Cleanroom Wipers, **15.03**
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- E1568-13** Test Method for Determination of Gold in Activated Carbon by Fire Assay Gravimetry, **03.05**
- E1569-09** Test Method for Determination of Oxygen in Tantalum Powder by Inert Gas Fusion Technique, **03.05**
- E1570-11** Practice for Computed Tomographic (CT) Examination, **03.03**
- E1571-11** Practice for Electromagnetic Examination of Ferromagnetic Steel Wire Rope, **03.03**  
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- E1578-13** Guide for Laboratory Informatics, **03.06**  
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- E1580 Withdrawn 2008; Guide for Surveillance of Accredited Laboratories*  
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- E1582-10** Practice for Calibration of Temperature Scale for Thermogravimetry, **14.02**  
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- E1584-11** Test Method for Assay of Nitric Acid, **15.05**  
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- E1614-94(2013)** Guide for Procedure for Measuring Ionizing Radiation-Induced Attenuation in Silica-Based Optical Fibers and Cables for Use in Remote Fiber-Optic Spectroscopy and Broadband Systems, **03.06**
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- E1616-08** Test Method for Analysis of Acetic Anhydride Using Gas Chromatography, **15.05**
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- E1618-11** Test Method for Ignitable Liquid Residues in Extracts from Fire Debris Samples by Gas Chromatography-Mass Spectrometry, **14.02**
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- E1678-10** Test Method for Measuring Smoke Toxicity for Use in Fire Hazard Analysis, **04.07**
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- E1685-13** Practice for Measuring the Change in Length of Fasteners Using the Ultrasonic Pulse-Echo Technique, **03.01**
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- E1688-10** Guide for Determination of the Bioaccumulation of Sediment-Associated Contaminants by Benthic Invertebrates, **11.06**
- E1689-95(2014)** Guide for Developing Conceptual Site Models for Contaminated Sites, **11.05**
- E1690-08** Test Method for Determination of Ethanol Extractives in Biomass, **05.06**
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- E2063-12** Practice for Calibration and Functionality Checks Used in Forensic Psychophysiological Detection of Deception (Polygraph) Examinations, **14.02**
- E2064-00(2014)** Guide for Minimum Continuing Education of Individuals Involved in Psychophysiological Detection of Deception (PDD), **14.02**
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- E2066-00(2007)** Guide for Validation of Laboratory Information Management Systems, **03.06**
- E2067-12** Practice for Full-Scale Oxygen Consumption Calorimetry Fire Tests, **04.07**
- E2068-00(2008)** Test Method for Determination of Operating Force of Sliding Windows and Doors, **04.11**
- E2069-06(2012)** Test Method for Temperature Calibration on Cooling of Differential Scanning Calorimeters, **14.02**
- E2070-13** Test Method for Kinetic Parameters by Differential Scanning Calorimetry Using Isothermal Methods, **14.02**
- E2071-00(2010)** Practice for Calculating Heat of Vaporization or Sublimation from Vapor Pressure Data, **14.02**
- E2072-10** Specification for Photoluminescent (Phosphorescent) Safety Markings, **06.01**
- E2073-10** Test Method for Photopic Luminance of Photoluminescent (Phosphorescent) Markings, **06.01**
- E2074 Withdrawn 2007; Test Method for Fire Tests of Door Assemblies, Including Positive Pressure Testing of Side-Hinged and Pivoted Swinging Door Assemblies*
- E2075/E2075M-10** Practice for Verifying the Consistency of AE-Sensor Response Using an Acrylic Rod, **03.03**
- E2076/E2076M-10** Practice for Examination of Fiberglass Reinforced Plastic Fan Blades Using Acoustic Emission, **03.03**
- E2077-00(2010)** Specification for Analytical Data Interchange Protocol for Mass Spectrometric Data, **03.06**
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- E2079-07(2013)** Test Methods for Limiting Oxygen (Oxidant) Concentration in Gases and Vapors, **14.02**
- E2080-06** Guide for Clinical Psychophysiological Detection of Deception (PDD) Examinations for Sex Offenders, **14.02**
- E2081-00(2010)<sup>1</sup>** Guide for Risk-Based Corrective Action, **11.05**
- E2082-12** Guide for Descriptive Analysis of Shampoo Performance, **15.08**
- E2083-05(2010)** Classification for Building Construction Field Requirements, and Office Overhead & Profit, **04.11**
- E2084 Withdrawn 2009; Specification for Authentication of Healthcare Information Using Digital Signatures*
- E2085 Withdrawn 2009; Guide on Security Framework for Healthcare Information*
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- E2089-00(2014)** Practices for Ground Laboratory Atomic Oxygen Interaction Evaluation of Materials for Space Applications, **15.03**
- E2090-12** Test Method for Size-Differentiated Counting of Particles and Fibers Released from Cleanroom Wipers Using Optical and Scanning Electron Microscopy, **15.03**
- E2091-11** Guide for Use of Activity and Use Limitations, Including Institutional and Engineering Controls, **11.05**
- E2092-13** Test Method for Distortion Temperature in Three-Point Bending by Thermomechanical Analysis, **14.02**
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- E2094 Withdrawn 2011; Practice for Evaluating the Service Life of Chromogenic Glazings*
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- E2100-04(2010)** Practice for Calculating the International Runway Friction Index, **04.03**
- E2101 Withdrawn 2014; Test Method for Measuring the Frictional Properties of Winter Contaminated Pavement Surfaces Using an Averaging-Type Spot Measuring Decelerometer*
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- E2105-00(2010)** Practice for General Techniques of Thermogravimetric Analysis (TGA) Coupled With Infrared Analysis (TGA/IR), **03.06**
- E2106-00(2011)** Practice for General Techniques of Liquid Chromatography-

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- E2107-06(2014)** Practice for Environmental Regulatory Compliance Audits, **11.05**
- E2108-10** Practice for Calibration of the Electron Binding-Energy Scale of an X-Ray Photoelectron Spectrometer, **03.06**
- E2109-01(2007)** Test Methods for Determining Area Percentage Porosity in Thermal Sprayed Coatings, **03.01**
- E2110-11** Terminology for Exterior Insulation and Finish Systems (EIFS), **04.11**
- E2111-12** Quantitative Carrier Test Method to Evaluate the Bactericidal, Fungicidal, Mycobactericidal, and Sporocidal Potencies of Liquid Chemicals, **11.05**
- E2112-07** Practice for Installation of Exterior Windows, Doors and Skylights, **04.12**
- E2113-13** Test Method for Length Change Calibration of Thermomechanical Analyzers, **14.02**
- E2114-08** Terminology for Sustainability Relative to the Performance of Buildings, **04.12**
- E2115-06** Guide for Conducting Lead Hazard Assessments of Dwellings and of Other Child-Occupied Facilities, **04.12**
- E2117-06(2011)** Guide for Identification and Establishment of a Quality Assurance Program for Medical Transcription, **14.01**
- E2118 Withdrawn 2003; Guide for Coordination of Clinical Laboratory Services Within the Electronic Health Record Environment and Networked Architectures*
- E2119 Withdrawn 2009; Practice for Quality Systems for Conducting In Situ Measurements of Lead Content in Paint or Other Coatings Using Field-Portable X-Ray Fluorescence (XRF) Devices*
- E2120-10** Practice for Performance Evaluation of the Portable X-Ray Fluorescence Spectrometer for the Measurement of Lead in Paint Films, **04.12**
- E2121-13** Practice for Installing Radon Mitigation Systems in Existing Low-Rise Residential Buildings, **04.12**
- E2122-02(2013)** Guide for Conducting In-situ Field Bioassays With Caged Bivalves, **11.06**
- E2123-10** Practice for Transmittal of Evidence in Sexual Assault Investigation, **14.02**
- E2124-10** Practice for Specification for Equipment and Supplies in Sexual Assault Investigations, **14.02**
- E2125-11** Guide for Microcrystal Testing in Forensic Analysis of Phencyclidine and Its Analogues, **14.02**
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- E2127-01a(2007)** Methods of Static Load Test for Combined Tensile and Transverse Load Resistance of Paneled Wall Systems in Building Construction, **04.12**
- E2128-12** Guide for Evaluating Water Leakage of Building Walls, **04.12**
- E2129-10** Practice for Data Collection for Sustainability Assessment of Building Products, **04.12**
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- E2131-09** Practice for Addressing and Reporting Loss, Damage, or Destruction of Tangible Property, **04.12**
- E2132-11** Practice for Inventory Verification: Electronic and Physical Inventory of Assets, **04.12**
- E2133-03(2013)** Test Method for Using a Rolling Inclinator to Measure Longitudinal and Transverse Profiles of a Traveled Surface, **04.03**
- E2134/E2134M-14** Test Method for Evaluating the Tensile-Adhesion Performance of an Exterior Insulation and Finish System (EIFS), **04.12**
- E2135-10a<sup>1</sup>** Terminology for Property and Asset Management, **04.12**
- E2136-04(2013)** Guide for Specifying and Evaluating Performance of Single Family Attached and Detached Dwellings—Durability, **04.12**
- E2137-06(2011)** Guide for Estimating Monetary Costs and Liabilities for Environmental Matters, **11.05**
- E2138 Not Assigned*
- E2139-05(2011)** Test Method for Same-Different Test, **15.08**
- E2140-01(2009)** Test Method for Water Penetration of Metal Roof Panel Systems by Static Water Pressure Head, **04.12**
- E2141-12** Test Methods for Assessing the Durability of Absorptive Electrochromic Coatings on Sealed Insulating Glass Units, **04.12**
- E2142-08** Test Methods for Rating and Classifying Inclusions in Steel Using the Scanning Electron Microscope, **03.01**
- E2143-01(2013)** Test Method for Using Field-Portable Fiber Optics Synchronous Fluorescence Spectrometer for Quantification of Field Samples for Aromatic and Polycyclic Aromatic Hydrocarbons, **03.06**
- E2144-11** Practice for Personal Sampling and Analysis of Endotoxin in Metalworking Fluid Aerosols in Workplace Atmospheres, **11.03**
- E2145-07(2013)** Practice for Information Modeling, **14.01**
- E2146 Withdrawn 2010; Guide for Detection of Nucleic Acid Sequences of the Human Immunodeficiency Virus HIV-1 by the Polymerase Chain Reaction Technique*
- E2147-01(2013)** Specification for Audit and Disclosure Logs for Use in Health Information Systems, **14.01**
- E2148-11b** Guide for Using Documents Related to Metalworking or Metal Removal Fluid Health and Safety, **11.03**
- E2149-13a** Test Method for Determining the Antimicrobial Activity of Antimicrobial Agents Under Dynamic Contact Conditions, **11.05**
- E2150-13** Classification for Life-Cycle Environmental Work Elements—Environmental Cost Element Structure, **04.12**
- E2151-02(2010)** Terminology of Guides for Specifying and Evaluating Performance of Single Family Attached and Detached Dwellings, **04.12**
- E2152-12** Practice for Computing the Colors of Fluorescent Objects from Bispectral Photometric Data, **06.01**
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- E2154-01(2008)** Practice for Separation and Concentration of Ignitable Liquid Residues from Fire Debris Samples by Passive Headspace Concentration with Solid Phase Microextraction (SPME), **14.02**
- E2156-04(2013)** Guide for Evaluating Economic Performance of Alternative Designs, Systems, and Materials in Compliance with Performance Standard Guides for Single-Family Attached and Detached Dwellings, **04.12**
- E2157-09** Test Method for Measuring Pavement Macrotecture Properties Using the Circular Track Meter, **04.03**
- E2158 Withdrawn 2010; Specification for Dedicated Short Range Communication (DSRC) Physical Layer Using Microwave in the 902 to 928 MHz Band*
- E2159-01(2008)** Guide for Selection, Assignment, and Monitoring of Persons To Be Utilized as Assessors/Auditors or Technical Experts, **14.02**
- E2160-04(2012)** Test Method for Heat of Reaction of Thermally Reactive Materials by Differential Scanning Calorimetry, **14.02**
- E2161-13** Terminology Relating to Performance Validation in Thermal Analysis, **14.02**
- E2162-07** Guide for Minimum Continuing Education of Individuals Involved in Psychophysiological Detection of Deception (PDD) Testing of Sex Offenders, **14.02**
- E2163-06(2014)** Guide for Minimum Training Requirements for Examiners Conducting Psychophysiological Detection of Deception (PDD) Testing of Sex Offenders in Treatment, Probation or Other Similar Programs, **14.02**
- E2164-08** Test Method for Directional Difference Test, **15.08**
- E2165 Withdrawn 2007; Practice for Establishing an Uncertainty Budget for the Chemical Analysis of Metals, Ores, and Related Materials*
- E2166-12** Practice for Organizing and Managing Building Data, **04.12**
- E2167-01(2008)** Guide for Selection and Use of Stone Consolidants, **04.12**
- E2168-10** Classification for Allowance, Contingency, and Reserve Sums in Building Construction Estimating, **04.12**
- E2169-12** Practice for Selecting Antimicrobial Pesticides for Use in Water-Miscible Metalworking Fluids, **11.03**
- E2170 Withdrawn 2013; Test Method for Determining Anaerobic Biodegradation Potential of Organic Chemicals Under Methanogenic Conditions*
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- E2172-01(2008)** Guide for Conducting Laboratory Soil Toxicity Tests with the Nematode, **11.06**
- E2173-07(2011)** Guide for Disclosure of Environmental Liabilities, **11.05**
- E2174-14** Practice for On-Site Inspection of Installed Firestops, **04.12**
- E2175-01(2013)** Practice for Specifying the Geometry of Multiangle Spectrophotometers, **06.01**
- E2176 Withdrawn 2013; Test Method for Measuring the Coefficient of Retroreflected Luminance of Pavement Markings in a Standard Condition of Continuous Wetting ( $R_{L-Rain}$ ); Replaced by E2832*
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- E2181/E2181M-11** Specification for Compacted Mineral-Insulated, Metal-Sheathed, Noble Metal Thermocouples and Thermocouple Cable, **14.03**
- E2182 Withdrawn 2011; Specification for Clinical XML DTDs in Healthcare*
- E2183 Withdrawn 2011; Guide for XML DTD Design, Architecture and Implementation*
- E2184 Withdrawn 2011; Specification for Healthcare Document Formats*
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- E2187-09** Test Method for Measuring the Ignition Strength of Cigarettes, **04.07**
- E2188-10** Test Method for Insulating Glass Unit Performance, **04.12**
- E2189-10<sup>1</sup>** Test Method for Testing Resistance to Fogging in Insulating Glass Units, **04.12**
- E2190-10** Specification for Insulating Glass Unit Performance and Evaluation, **04.12**
- E2191/E2191M-10** Practice for Examination of Gas-Filled Filament-Wound Composite Pressure Vessels Using Acoustic Emission, **03.03**
- E2192-13** Guide for Planar Flaw Height Sizing by Ultrasonics, **03.03**
- E2193-08** Test Method for Ultraviolet Transmittance of Monoethylene Glycol (Ultraviolet Spectrophotometric Method), **15.05**
- E2194-12** Practice for Multiangle Color Measurement of Metal Flake Pigmented Materials, **06.01**
- E2195-09** Terminology Relating to Examination of Questioned Documents, **14.02**
- E2196-12** Test Method for Quantification of a *Pseudomonas aeruginosa* Biofilm Grown with Shear and Continuous Flow Using a Rotating Disk Reactor, **11.05**
- E2197-11** Quantitative Disk Carrier Test Method for Determining Bactericidal,

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- E2199-08<sup>1</sup>** Specification for *Encarsia formosa* Gahan (*Hymenoptera:Aphelinidae*), **11.05**
- E2200** *Withdrawn 2010; Specification for Information Included with Packaging of Multi-Cellular Biological Control Organisms*
- E2201-13** Terminology for Coal Combustion Products, **11.05**
- E2202-02(2009)** Practice for Measurement of Equipment-Generated Continuous Noise for Assessment of Health Hazards, **04.06**
- E2203-14** Specification for Dense Thermoplastic Elastomers Used for Compression Seals, Gaskets, Setting Blocks, Spacers and Accessories, **04.07**
- E2204-11a** Guide for Summarizing the Economic Impacts of Building-Related Projects, **04.12**
- E2205/E2205M-02(2009)<sup>1</sup>** Guide for Risk-Based Corrective Action for Protection of Ecological Resources, **11.05**
- E2206-11** Test Method for Force Calibration of Thermomechanical Analyzers, **14.02**
- E2207-08(2013)<sup>1</sup>** Practice for Strain-Controlled Axial-Torsional Fatigue Testing with Thin-Walled Tubular Specimens, **03.01**
- E2208-02(2010)<sup>1</sup>** Guide for Evaluating Non-Contacting Optical Strain Measurement Systems, **03.01**
- E2209-13** Test Method for Analysis of High Manganese Steel by Spark Atomic Emission Spectrometry, **03.05**
- E2210-12** Specification for Guideline Elements Model version 3 (GEM III)—Document Model for Clinical Practice Guidelines, **14.01**
- E2211-02(2010)** Specification for Relationship Between a Person (Consumer) and a Supplier of an Electronic Personal (Consumer) Health Record, **14.01**
- E2212-02a(2010)** Practice for Healthcare Certificate Policy, **14.01**
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- E2214-12<sup>1</sup>** Practice for Specifying and Verifying the Performance of Color-Measuring Instruments, **06.01**
- E2215-10** Practice for Evaluation of Surveillance Capsules from Light-Water Moderated Nuclear Power Reactor Vessels, **12.02**
- E2216-02(2013)** Guide for Evaluating Disposal Options for Concrete from Nuclear Facility Decommissioning, **12.02**
- E2217-12** Practice for Design and Construction of Aerospace Cleanrooms and Contamination Controlled Areas, **15.03**
- E2218-02(2008)** Test Method for Determining Forming Limit Curves, **03.01**
- E2219** *Withdrawn 2009; Practice for Valuation and Management of Moveable, Durable Property*
- E2220** *Withdrawn 2009; Practice for Establishing the Full Valuation of the Loss/Overage Population Identified During the Inventory of Moveable, Durable Property*
- E2221** *Withdrawn 2011; Practice for Administrative Control of Property*
- E2222** *Withdrawn 2012; Practice for Host Computer Communication with Spectrometers for Color Measurements*
- E2223-13** Practice for Examination of Seamless, Gas-Filled, Steel Pressure Vessels Using Angle Beam Ultrasonics, **03.03**
- E2224-10** Guide for Forensic Analysis of Fibers by Infrared Spectroscopy, **14.02**
- E2225-10** Guide for Forensic Examination of Fabrics and Cordage, **14.02**
- E2226-12** Practice for Application of Hose Stream, **04.07**
- E2227-13** Guide for Forensic Examination of Non-Reactive Dyes in Textile Fibers by Thin-Layer Chromatography, **14.02**
- E2228-10** Guide for Microscopical Examination of Textile Fibers, **14.02**
- E2229-09** Practices for Interpretation of Psychophysiological Detection of Deception (Polygraph) Data, **14.02**
- E2230-13** Practice for Thermal Qualification of Type B Packages for Radioactive Material, **04.07**
- E2231-14** Practice for Specimen Preparation and Mounting of Pipe and Duct Insulation Materials to Assess Surface Burning Characteristics, **04.07**
- E2232-10** Guide for Selection and Use of Mathematical Methods for Calculating Absorbed Dose in Radiation Processing Applications, **12.02**
- E2234-09(2013)** Practice for Sampling a Stream of Product by Attributes Indexed by AQL, **14.02**
- E2235-04(2012)** Test Method for Determination of Decay Rates for Use in Sound Insulation Test Methods, **04.06**
- E2236-10** Test Methods for Measurement of Electrical Performance and Spectral Response of Nonconcentrator Multijunction Photovoltaic Cells and Modules, **12.02**
- E2238-12** Guide for Evacuation Route Diagrams, **11.03**
- E2239-12** Practice for Record Keeping and Record Preservation for Lead Hazard Activities, **04.12**
- E2240-06** Test Method for Assessing the Current-Voltage Cycling Stability at 90°C (194°F) of Absorptive Electrochromic Coatings on Sealed Insulating Glass Units, **04.12**
- E2241-06** Test Method for Assessing the Current-Voltage Cycling Stability at Room Temperature of Absorptive Electrochromic Coatings on Sealed Insulating Glass Units, **04.12**
- E2242-13** Test Method for Column Percolation Extraction of Mine Rock by the Meteoric Water Mobility Procedure, **03.05**
- E2243-13** Guide for Use of Coal Combustion Products (CCPs) for Surface Mine Reclamation: Re-contouring and Highwall Reclamation, **11.05**
- E2244-11<sup>1</sup>** Test Method for In-Plane Length Measurements of Thin, Reflecting Films Using an Optical Interferometer, **03.01**
- E2245-11<sup>1</sup>** Test Method for Residual Strain Measurements of Thin, Reflecting Films Using an Optical Interferometer, **03.01**
- E2246-11<sup>1</sup>** Test Method for Strain Gradient Measurements of Thin, Reflecting Films Using an Optical Interferometer, **03.01**
- E2247-08** Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process for Forestland or Rural Property, **11.05**
- E2248-13** Test Method for Impact Testing of Miniaturized Charpy V-Notch Specimens, **03.01**
- E2249-02(2008)** Test Method for Laboratory Measurement of Airborne Transmission Loss of Building Partitions and Elements Using Sound Intensity, **04.06**
- E2250** *Withdrawn 2008; Method for Determination of Endotoxin Concentration in Water Miscible Metal Working Fluids*
- E2251-11** Specification for Liquid-in-Glass ASTM Thermometers with Low-Hazard Precision Liquids, **14.03**
- E2252-12** Practice for Selection of Lead Hazard Reduction Methods for Identified Risks in Residential Housing or Child Occupied Facilities, **04.12**
- E2253-11** Test Method for Temperature and Enthalpy Measurement Validation of Differential Scanning Calorimeters, **14.02**
- E2254-13** Test Method for Storage Modulus Calibration of Dynamic Mechanical Analyzers, **14.02**
- E2255/E2255M-13** Practice for Conducting Visual Assessments for Lead Hazards in Buildings, **04.12**
- E2256-13** Guide for Hydraulic Integrity of New, Repaired, or Reconstructed Aboveground Storage Tank Bottoms for Petroleum Service, **11.05**
- E2257-13a** Test Method for Room Fire Test of Wall and Ceiling Materials and Assemblies, **04.07**
- E2259-03a(2011)** Guide for Archiving and Retrieving Intelligent Transportation Systems-Generated Data, **04.03**
- E2260-03(2012)<sup>1</sup>** Guide for Repointing (Tuckpointing) Historic Masonry, **04.12**
- E2261/E2261M-12** Practice for Examination of Welds Using the Alternating Current Field Measurement Technique, **03.03**
- E2262-03(2014)** Practice for Estimating Thurstonian Discriminal Distances, **15.08**
- E2263-12** Test Method for Paired Preference Test, **15.08**
- E2264-05(2013)** Practice for Determining the Effects of Temperature Cycling on Fenestration Products, **04.12**
- E2265-09** Terminology for Anchors and Fasteners in Concrete and Masonry, **04.12**
- E2266-11** Guide for Design and Construction of Low-Rise Frame Building Wall Systems to Resist Water Intrusion, **04.12**
- E2267-04(2013)** Guide for Specifying and Evaluating Performance of Single Family Attached and Detached Dwellings—Indoor Air Quality, **04.12**
- E2268-04(2011)** Test Method for Water Penetration of Exterior Windows, Skylights, and Doors by Rapid Pulsed Air Pressure Difference, **04.12**
- E2269-14** Test Method for Determining Argon Concentration in Sealed Insulating Glass Units using Gas Chromatography, **04.12**
- E2270-13** Practice for Periodic Inspection of Building Facades for Unsafe Conditions, **04.12**
- E2271-05a(2012)<sup>1</sup>** Practice for Clearance Examinations Following Lead Hazard Reduction Activities in Dwellings, and in Other Child-Occupied Facilities, **04.12**
- E2273-03(2011)** Test Method for Determining the Drainage Efficiency of Exterior Insulation and Finish Systems (EIFS) Clad Wall Assemblies, **04.12**
- E2274-09** Test Method for Evaluation of Laundry Sanitizers and Disinfectants, **11.05**
- E2275-13** Practice for Evaluating Water-Miscible Metalworking Fluid Bioresistance and Antimicrobial Pesticide Performance, **11.05**
- E2276-10** Test Method for Determining the Bacteria-Eliminating Effectiveness of Hygienic Handwash and Handrub Agents Using the Fingerpads of Adults, **11.05**
- E2277-14** Guide for Design and Construction of Coal Ash Structural Fills, **11.05**
- E2278-13** Guide for Use of Coal Combustion Products (CCPs) for Surface Mine Reclamation: Revegetation and Mitigation of Acid Mine Drainage, **11.05**
- E2279-09** Practice for Establishing the Guiding Principles of Property Management, **04.12**
- E2280-13** Guide for Fire Hazard Assessment of the Effect of Upholstered Seating Furniture Within Patient Rooms of Health Care Facilities, **04.07**
- E2281-08a(2012)<sup>1</sup>** Practice for Process and Measurement Capability Indices, **14.02**
- E2282-13** Guide for Defining the Test Result of a Test Method, **14.02**
- E2283-08** Practice for Extreme Value Analysis of Nonmetallic Inclusions in Steel and Other Microstructural Features, **03.01**
- E2285-08** Guide for Examination of Mechanical Checkwriter Impressions, **14.02**
- E2286-08a** Guide for Examination of Dry Seal Impressions, **14.02**
- E2287-09** Guide for Examination of Fracture Patterns and Paper Fiber Impressions on Single-Strike Film Ribbons and Typed Text, **14.02**
- E2288-09** Guide for Physical Match of Paper Cuts, Tears, and Perforations in Forensic Document Examinations, **14.02**
- E2289-08** Guide for Examination of Rubber Stamp Impressions, **14.02**
- E2290-07a** Guide for Examination of Handwritten Items, **14.02**
- E2291** *Withdrawn 2012; Guide for Indentation Examinations*
- E2292-04(2012)** Practice for Investigation of Investigating Carbon Monoxide Poisoning Incidents, **14.02**

- E2293-03(2013)** Practice for Drying of Metal Bearing Ores, Concentrates, and Related Metallurgical Materials for the Determination of Mercury, **03.05**
- E2294-03(2013)** Practice for Proof Silver Corrections in Metal Bearing Ores, Concentrates, and Related Materials by Fire Assay Gravimetry, **03.05**
- E2295-13** Practice for Fire Assay Silver Corrections in Analysis of Metal Bearing Ores, Concentrates, and Related Metallurgical Materials by Silver Determination in Slags and Cupels, **03.05**
- E2296-03(2013)** Practice for Silver Corrections in Metal Bearing Ores, Concentrates, and Related Metallurgical Materials by Fire Assay Slag Recycling and Cupel Proof Gravimetry, **03.05**
- E2297-04(2010)** Guide for Use of UV-A and Visible Light Sources and Meters used in the Liquid Penetrant and Magnetic Particle Methods, **03.03**
- E2298-13a** Test Method for Instrumented Impact Testing of Metallic Materials, **03.01**
- E2299-13** Guide for Sensory Evaluation of Products by Children and Minors, **15.08**
- E2300-09** Specification for Highway Traffic Monitoring Devices, **04.03**
- E2301-12** Test Method for Daytime Colorimetric Properties of Fluorescent Retroreflective Sheeting and Marking Materials for High Visibility Traffic Control and Personal Safety Applications Using 45°:Normal Geometry, **06.01**
- E2302-03a(2009)** Test Method for Measurement of the Luminance Coefficient Under Diffuse Illumination of Pavement Marking Materials Using a Portable Reflectometer, **06.01**
- E2303-11<sup>c1</sup>** Guide for Absorbed-Dose Mapping in Radiation Processing Facilities, **12.02**
- E2304-03(2011)** Practice for Use of a LiF Photo-Fluorescent Film Dosimetry System, **12.02**
- E2306-13** Practice for Disposal of Personal Property, **04.12**
- E2307-10** Test Method for Determining Fire Resistance of Perimeter Fire Barriers Using Intermediate-Scale, Multi-story Test Apparatus, **04.07**  
*E2308 Withdrawn 2014; Guide for Limited Asbestos Screens of Buildings*
- E2309/E2309M-05(2011)<sup>c1</sup>** Practices for Verification of Displacement Measuring Systems and Devices Used in Material Testing Machines, **03.01**
- E2310-04(2009)** Guide for Use of Spectral Searching by Curve Matching Algorithms with Data Recorded Using Mid-Infrared Spectroscopy, **03.06**
- E2311-04(2009)** Practice for QCM Measurement of Spacecraft Molecular Contamination in Space, **15.03**
- E2312-11** Practice for Tests of Cleanroom Materials, **15.03**
- E2313-08** Test Method for Aldehydes in Mono-, Di-, and Triethylene Glycol (Spectrophotometric Method), **15.05**
- E2314-03(2008)** Test Method for Determination of Effectiveness of Cleaning Processes for Reusable Medical Instruments Using a Microbiologic Method (Simulated Use Test), **11.05**
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- E2317-04(2012)** Guide for Conducting Renewal Microplate-Based Life-Cycle Toxicity Tests with a Marine Meiobenthic Copepod, **11.06**  
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- E2319-04(2011)** Test Method for Determining Air Flow Through the Face and Sides of Exterior Windows, Curtain Walls, and Doors Under Specified Pressure Differences Across the Specimen, **04.12**
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- E2321-03(2011)** Practice for Use of Test Methods, **04.12**
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- E2324-04(2011)** Guide for PDD Paired Testing, **14.02**  
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- E2326-14** Practice for Education and Training of Seized-Drug Analysts, **14.02**
- E2327-10** Practice for Quality Assurance of Laboratories Performing Seized-Drug Analysis, **14.02**  
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- E2329-10** Practice for Identification of Seized Drugs, **14.02**
- E2330-12** Test Method for Determination of Concentrations of Elements in Glass Samples Using Inductively Coupled Plasma Mass Spectrometry (ICP-MS) for Forensic Comparisons, **14.02**  
*E2331 Withdrawn 2013; Guide for Examination of Altered Documents*
- E2332** *Withdrawn 2013; Practice for Investigation and Analysis of Physical Component Failures, 14.02*
- E2334-09(2013)<sup>c1</sup>** Practice for Setting an Upper Confidence Bound For a Fraction or Number of Non-Conforming items, or a Rate of Occurrence for Non-conformities, Using Attribute Data, When There is a Zero Response in the Sample, **14.02**
- E2335-12** Guide for Laboratory Monitors, **04.07**
- E2336-14** Test Methods for Fire Resistive Grease Duct Enclosure Systems, **04.07**
- E2337/E2337M-10** Guide for Mutual Inductance Bridge Applications for Wall Thickness Determinations in Boiler Tubing, **03.03**
- E2338-11** Practice for Characterization of Coatings Using Conformable Eddy-Current Sensors without Coating Reference Standards, **03.03**
- E2339-11** Practice for Digital Imaging and Communication in Nondestructive Evaluation (DICONDE), **03.03**
- E2340/E2340M-11<sup>c1</sup>** Test Method for Measuring the Skid Resistance of Pavements and Other Trafficked Surfaces Using a Continuous Reading, Fixed-Slip Technique, **04.03**
- E2341/E2341M-05(2009)** Test Method for Determining the Stopping Distance Number by Initial Speed and Stopping Distance at Traffic Incident Sites, **04.03**
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- E2347-11** Test Method for Indentation Softening Temperature by Thermomechanical Analysis, **14.02**
- E2348-06(2010)** Guide for Framework for a Consensus-based Environmental Decision-making Process, **11.05**
- E2349-12** Practice for Safety Requirements in Metal Casting Operations: Sand Preparation, Molding, and Core Making; Melting and Pouring; and Cleaning and Finishing, **11.03**
- E2350-07(2013)** Guide for Integration of Ergonomics/Human Factors into New Occupational Systems, **11.03**
- E2351-04a(2013)** Guide for Specifying and Evaluating Performance of Single Family Attached and Detached Dwellings—Functionality, **04.12**
- E2352-04(2010)** Practice for Aerospace Cleanrooms and Associated Controlled Environments—Cleanroom Operations, **15.03**
- E2353-14** Test Methods for Performance of Glazing in Permanent Railing Systems, Guards, and Balustrades, **04.12**
- E2354-10** Guide for Assessing the Durability of Absorptive Electrochromic Coatings within Sealed Insulating Glass Units, **04.12**
- E2355-10** Test Method for Measuring the Visible Light Transmission Uniformity of an Absorptive Electrochromic Coating on a Glazing Surface, **04.12**
- E2356-14** Practice for Comprehensive Building Asbestos Surveys, **11.07**
- E2357-11** Test Method for Determining Air Leakage of Air Barrier Assemblies, **04.12**
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- E2359/E2359M-13** Test Method for Field Pull Testing of an In-Place Exterior Insulation and Finish System Clad Wall Assembly, **04.12**
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- E2366-05** Test Method for Measurement of Daytime Chromaticity of Pavement Marking Materials Using a Portable Reflection Colorimeter, **06.01**
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- E2368-10** Practice for Strain Controlled Thermomechanical Fatigue Testing, **03.01**
- E2369-12** Specification for Continuity of Care Record (CCR), **14.01**
- E2371-13** Test Method for Analysis of Titanium and Titanium Alloys by Direct Current Plasma and Inductively Coupled Plasma Atomic Emission Spectrometry (Performance-Based Test Methodology), **03.05**
- E2373/E2373M-14** Practice for Use of the Ultrasonic Time of Flight Diffraction (TOFD) Technique, **03.03**
- E2374-10** Guide for Acoustic Emission System Performance Verification, **03.03**
- E2375-08(2013)** Practice for Ultrasonic Testing of Wrought Products, **03.03**
- E2377-10** Specification for Shelter, Electrical Equipment, Lightweight, **04.12**
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*E2389 Withdrawn 2014; Guide for Examination of Documents Produced with Liquid Ink Jet Technology*
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- E2393-10a** Practice for On-Site Inspection of Installed Fire Resistive Joint Systems and Perimeter Fire Barriers, **04.12**
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- E2397-11** Practice for Determination of Dead Loads and Live Loads Associated with Vegetative (Green) Roof Systems, **04.04**
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- E2400-06** Guide for Selection, Installation, and Maintenance of Plants for Green Roof Systems, **04.04**
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- E2403-06(2012)** Test Method for Sulfated Ash of Organic Materials by Thermogravimetry, **14.02**
- E2404-13<sup>1</sup>** Practice for Specimen Preparation and Mounting of Textile, Paper or Polymeric (Including Vinyl) Wall or Ceiling Coverings, and of Facings and Wood Veneers Intended to be Applied on Site Over a Wood Substrate, to Assess Surface Burning Characteristics, **04.07**
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- E2409-13** Test Method for Glycol Impurities in Mono-, Di-, Tri- and Tetraethylene Glycol and in Mono- and Dipropylene Glycol, **15.05**
- E2410 Withdrawn 2006; Practice for Designing and Validating Performance Based Test Methods for the Analysis of Metals, Ores, and Related Materials*
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- E2420-10** Guide for Post-Deactivation Surveillance and Maintenance of Radiologically Contaminated Facilities, **12.02**
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- E2422-11** Digital Reference Images for Inspection of Aluminum Castings, **03.03**
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- E2426-10** Practice for Pulse Counting System Dead Time Determination by Measuring Isotopic Ratios with SIMS, **03.06**
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- E2428-08** Practice for Calibration of Torque-Measuring Instruments for Verifying the Torque Indication of Torque Testing Machines, **03.01**
- E2430/E2430M-13** Specification For Expanded Polystyrene ("EPS") Thermal Insulation Boards for Use in Exterior Insulation and Finish Systems ("EIFS"), **04.12**
- E2431-12** Practice for Determining the Resistance of Single Glazed Annealed Architectural Flat Glass to Thermal Loadings, **04.12**
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- E2443-05(2010)<sup>1</sup>** Guide for Verifying Computer-Generated Test Results Through The Use Of Standard Data Sets, **03.01**
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- E2451-13** Practice for Preserving Ignitable Liquids and Ignitable Liquid Residue Extracts from Fire Debris Samples, **14.02**
- E2452-12** Practice for Equipment Management Process Maturity (EMPM) Model, **04.12**
- E2453-13** Practice for Determining the Life-Cycle Cost of Ownership of Personal Property, **04.12**
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- E2461-12** Practice for Determining the Thickness of Glass in Airport Traffic Control Tower Cabs, **04.12**
- E2462-10** Performance Specification for Cargo Bed Cover (CBC) HMMWW, Type I, **04.12**
- E2463-11** Performance Specification for Cargo Bed Cover (CBC) M105A2 Trailer, Type II, **04.12**
- E2465-13** Test Method for Analysis of Ni-Base Alloys by Wavelength Dispersive X-Ray Fluorescence Spectrometry, **03.05**
- E2466-13** Test Method for Colorimetry of Teeth Using Digital Still Camera Technology, **06.01**
- E2467-05(2012)** Practice for Developing Axle Count Adjustment Factors, **04.03**
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- E2473-05(2011)** Practice for the Occupational/Environmental Health View of the Electronic Health Record, **14.01**
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- E2476-09** Guide for Risk Assessment and Risk Control as it Impacts the Design, Development, and Operation of PAT Processes for Pharmaceutical Manufacture, **14.02**
- E2478-11** Practice for Determining Damage-Based Design Stress for Glass Fiber Reinforced Plastic (GFRP) Materials Using Acoustic Emission, **03.03**
- E2479-11** Practice for Measuring the Ultrasonic Velocity in Polyethylene Tank Walls Using Lateral Longitudinal (LCR) Waves, **03.03**
- E2480-12** Practice for Conducting an Interlaboratory Study to Determine the Precision of a Test Method with Multi-Valued Measurands, **06.01**
- E2481-12** Test Method for Hot Spot Protection Testing of Photovoltaic Modules, **12.02**
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- E2485/E2485M-13** Test Method for Freeze/Thaw Resistance of Exterior Insulation and Finish Systems (EIFS) and Water Resistive Barrier Coatings, **04.12**
- E2486/E2486M-13** Test Method for Impact Resistance of Class PB and PI Exterior Insulation and Finish Systems (EIFS), **04.12**
- E2488-09** Guide for the Preparation and Evaluation of Liquid Baths Used for Temperature Calibration by Comparison, **14.03**
- E2489-11** Practice for Statistical Analysis of One-Sample and Two-Sample Interlaboratory Proficiency Testing Programs, **14.02**
- E2490-09** Guide for Measurement of Particle Size Distribution of Nanomaterials in Suspension by Photon Correlation Spectroscopy (PCS), **14.02**
- E2491-13** Guide for Evaluating Performance Characteristics of Phased-Array Ultrasonic Testing Instruments and Systems, **03.03**
- E2492-07(2012)** Test Method for Evaluating Springback of Sheet Metal Using the Demeri Split Ring Test, **03.01**
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- E2497-11** Practice for Calculation of Asset Movement Velocity (AMV), **04.12**
- E2499-11** Practice for Classification of Asset Physical Location Information, **04.12**
- E2500-13** Guide for Specification, Design, and Verification of Pharmaceutical and Biopharmaceutical Manufacturing Systems and Equipment, **14.02**
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- E2506-11** Guide for Developing a Cost-Effective Risk Mitigation Plan for New and Existing Constructed Facilities, **04.12**

- E2509-08** Test Method for Temperature Calibration of Rheometers in Isothermal Mode, **14.02**
- E2510-07(2013)** Test Method for Torque Calibration or Conformance of Rheometers, **14.02**
- E2511-09** Guide for Detailing of EIFS-Clad Wall Assemblies, **04.12**
- E2513-07(2012)** Specification for Multi-Story Building External Evacuation Platform Rescue Systems, **04.12**
- E2514-08** Practice for Presentation Format of Elemental Cost Estimates, Summaries, and Analyses, **04.12**
- E2515-11** Test Method for Determination of Particulate Matter Emissions Collected by a Dilution Tunnel, **04.12**
- E2516-11** Classification for Cost Estimate Classification System, **04.12**
- E2517-13** Specification for Cargo Bed Cover, Type III (M35A2, 2, **04.12**
- E2518-11** Specification for Cargo Bed Cover, Type IV (M923, 5 Ton Cargo Truck/M1083, 5 Ton Medium Tactical Vehicle (MTV)/ M1082, 5 Ton MTV Trailer), **04.12**
- E2520-07** Practice for Verifying Minimum Acceptable Performance of Trace Explosive Detectors, **15.08**
- E2521-07a** Terminology for Urban Search and Rescue Robotic Operations, **15.08**
- E2522-07(2013)** Guide for Quality Indicators for Health Classifications, **14.01**
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- E2524-08(2013)** Test Method for Analysis of Hemolytic Properties of Nanoparticles, **14.02**
- E2525-08(2013)** Test Method for Evaluation of the Effect of Nanoparticulate Materials on the Formation of Mouse Granulocyte-Macrophage Colonies, **14.02**
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- E2529-06(2014)** Guide for Testing the Resolution of a Raman Spectrometer, **03.06**
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- E2532-09** Test Methods for Evaluating Performance of Highway Traffic Monitoring Devices, **04.03**
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- E2536-14** Guide for Assessment of Measurement Uncertainty in Fire Tests, **04.07**
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- E2541-10** Guide for Stakeholder-Focused, Consensus-Based Disaster Restoration Process for Contaminated Assets, **15.08**
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- E2549-14** Practice for Validation of Seized-Drug Analytical Methods, **14.02**
- E2550-11** Test Method for Thermal Stability by Thermogravimetry, **14.02**
- E2551-13** Test Method for Humidity Calibration (or Conformation) of Humidity Generators for Use with Thermogravimetric Analyzers, **14.02**
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- E2554-13** Practice for Estimating and Monitoring the Uncertainty of Test Results of a Test Method Using Control Chart Techniques, **14.02**
- E2555-07(2012)** Practice for Factors and Procedures for Applying the MIL-STD-105 Plans in Life and Reliability Inspection, **14.02**
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- E2557-07** Practice for Probable Maximum Loss (PML) Evaluations for Earthquake Due-Diligence Assessments, **04.12**
- E2558-13** Test Method for Determining Particulate Matter Emissions from Fires in Wood-Burning Fireplaces, **04.12**
- E2559-08(2014)** Standard for Portable Document Format in Healthcare, a Best Practice Guide, **14.01**
- E2560-13** Specification for Data Format for Pavement Profile, **04.03**
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- E2564-13** Practice for Enumeration of, **11.03**
- E2565-09** Guide for Consensus-based Process for an Occupational Safety and Health Standard that Includes an Occupational Exposure Guideline, **11.03**
- E2566-08** Test Method for Determining Visual Acuity and Field of View of On-Board Video Systems for Teleoperation of Robots for Urban Search and Rescue Applications, **15.08**
- E2567-13a** Test Method for Determining Nodularity And Nodule Count In Ductile Iron Using Image Analysis, **03.01**
- E2568-09<sup>1</sup>** Specification for PB Exterior Insulation and Finish Systems, **04.12**
- E2570/E2570M-07(2014)<sup>1</sup>** Test Methods for Evaluating Water-Resistive Barrier (WRB) Coatings Used under Exterior Insulation and Finish Systems (EIFS) or EIFS with Drainage, **04.12**
- E2573-12** Practice for Specimen Preparation and Mounting of Site-Fabricated Stretch Systems to Assess Surface Burning Characteristics, **04.07**
- E2574/E2574M-12a** Test Method for Fire Testing of School Bus Seat Assemblies, **04.07**
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- E2859-11** Guide for Size Measurement of Nanoparticles Using Atomic Force Microscopy, **14.02**
- E2860-12** Test Method for Residual Stress Measurement by X-Ray Diffraction for Bearing Steels, **03.01**
- E2861-11** Test Method for Measurement of Beam Divergence and Alignment in Neutron Radiologic Beams, **03.03**
- E2862-12** Practice for Probability of Detection Analysis for Hit/Miss Data, **03.03**
- E2863-12** Practice for Acoustic Emission Examination of Welded Steel Sphere Pressure Vessels Using Thermal Pressurization, **03.03**
- E2864-13** Test Method for Measurement of Airborne Metal and Metal Oxide Nanoparticle Surface Area Concentration in Inhalation Exposure Chambers using Krypton Gas Adsorption, **14.02**
- E2865-12** Guide for Measurement of Electrophoretic Mobility and Zeta Potential of Nanosized Biological Materials, **14.02**
- E2866-12** Test Method for Determination of Diisopropyl Methylphosphonate, Ethyl Methylphosphonic Acid, Isopropyl Methylphosphonic Acid, Methylphosphonic Acid and Pinacetyl Methylphosphonic Acid in Soil by Pressurized Fluid Extraction and Analyzed by Liquid Chromatography/Tandem Mass Spectrometry, **15.08**
- E2867-13** Practice for Estimating Uncertainty of Test Results Derived from Spectrophotometry, **06.01**
- E2868-13** Digital Reference Images for Steel Castings up to 2 in. (50.8 mm) in Thickness, **03.03**
- E2869-13** Digital Reference Images for Magnesium Castings, **03.03**
- E2870-13** Test Method for Evaluating Relative Effectiveness of Antimicrobial Handwashing Formulations using the Palmar Surface and Mechanical Hand Sampling, **11.05**
- E2871-13** Test Method for Evaluating Disinfectant Efficacy Against, **11.05**
- E2872-14** Guide for Determining Cross-Section Averaged Characteristics of a Spray Using Laser-Diffraction Instruments in a Wind Tunnel Apparatus, **14.02**
- E2875/E2875M-12** Guide for Personal Protective Equipment for the Handling of Flat Glass, **11.03**
- E2876-13** Guide for Integrating Sustainable Objectives into Cleanup, **11.05**
- E2877-12<sup>1</sup>** Guide for Digital Contact Thermometers, **14.03**
- E2880-14** Terminology Related to Biorationals, **11.05**
- E2881-13** Test Method for Extraction and Derivatization of Vegetable Oils and Fats from Fire Debris and Liquid Samples with Analysis by Gas Chromatography-Mass Spectrometry, **14.02**
- E2882-12** Guide for Analysis of Clandestine Drug Laboratory Evidence, **14.02**
- E2883-13** Guide for Standard Guide for the Evaluation, and Calibration, Continuous Friction Measurement Equipment (CFME), **04.03**
- E2884-13<sup>1</sup>** Guide for Eddy Current Testing of Electrically Conducting Materials Using Conformable Sensor Arrays, **03.03**
- E2885-13** Specification for Handheld Point Chemical Vapor Detectors (HPCVD) for Homeland Security Applications, **15.08**
- E2886/E2886M-14** Test Method for Evaluating the Ability of Exterior Vents to Resist the Entry of Embers and Direct Flame Impingement, **04.07**
- E2888-12** Practice for Process for Inactivation of Rodent Retrovirus by pH, **14.02**
- E2889-12** Practice for Control of Respiratory Hazards in the Metal Removal Fluid Environment, **11.03**
- E2890-12** Test Method for Kinetic Parameters for Thermally Unstable Materials by Differential Scanning Calorimetry Using the Kissinger Method, **14.02**
- E2891-13** Guide for Multivariate Data Analysis in Pharmaceutical Development and Manufacturing Applications, **14.02**
- E2893-13<sup>1</sup>** Guide for Greener Cleanups, **11.05**
- E2894-13** Test Method for Applying Aerosolized, **11.05**
- E2895-13** Test Method for Producing High Titters of Viable and Semi-Purified Spores of Clostridium difficile using a Liquid Medium, **11.05**
- E2896-12** Test Method for Quantitative Petri Plate Method (QPM) for Determining the Effectiveness of Antimicrobial Towelettes, **11.05**
- E2897-12** Guide for Evaluation of the Effectiveness of Hand Hygiene Topical Antimicrobial Products using, **11.05**
- E2898-13** Guide for Risk-Based Validation of Analytical Methods for PAT Applications, **14.02**
- E2899-13** Test Method for Measurement of Initiation Toughness in Surface Cracks Under Tension and Bending, **03.01**
- E2900-12** Practice for Spacecraft Hardware Thermal Vacuum Bakeout, **15.03**
- E2902-12** Practice for Measurement of Body Armor Wearers, **15.08**
- E2903-13** Test Method for Measurement of the Effective Focal Spot Size of Mini and Micro Focus X-ray Tubes, **03.03**
- E2904-12** Practice for Characterization and Verification of Phased Array Probes, **03.03**
- E2905/E2905M-13** Practice for Examination of Mill and Kiln Girth Gear Teeth—Electromagnetic Methods, **03.03**
- E2906/E2906M-13** Practice for Acoustic Pulse Reflectometry Examination of Tube Bundles, **03.03**
- E2907/E2907M-13** Practice for Examination of Paper Machine Rolls Using Acoustic Emission from Crack Face Rubbing, **03.03**
- E2908-12** Guide for Fire Prevention for Photovoltaic Panels, Modules, and Systems, **12.02**
- E2909-13** Guide for Investigation/Study/Assay Tab-Delimited Format for Nanotechnologies (ISA-TAB-Nano): Standard File Format for the Submission and Exchange of Data on Nanomaterials and Characterizations, **14.02**
- E2910-12** Guide for Preferred Methods for Acceptance of Product, **14.02**
- E2911-13** Guide for the Relative Intensity Correction of Raman Spectrometers, **03.06**
- E2912-13** Test Method for Fire Test of Non-Mechanical Fire Dampers Used in Vented Construction, **04.07**
- E2913-14** Practice for Hotplate Digestion of Lead from Compositing Wipe Samples, **04.12**
- E2914-14** Practice for Ultrasonic Extraction of Lead from Compositing Wipe Samples, **04.12**
- E2915-13** Specification for Additive Manufacturing File Format (AMF) Version 1.1, **15.08**
- E2916-13** Terminology for Digital and Multimedia Evidence Examination, **14.02**
- E2918-13** Test Method for Performance Validation of Thermomechanical Analyzers, **14.02**
- E2919-13** Test Method for Evaluating the Performance of Systems that Measure Static, Six Degrees of Freedom (6DOF), Pose, **10.04**
- E2920-14** Guide for Recording Occupational Injuries and Illnesses, **11.03**
- E2921-13** Terminology for Additive Manufacturing—Coordinate Systems and Test Methodologies, **04.12**
- E2923-14** Practice for Longevity Assessment of Firestop Materials Using Differential Scanning Calorimetry, **04.12**
- E2924-14** Practice for Intumescent Coatings, **04.12**
- E2925-14** Specification for Manufactured Polymeric Drainage and Ventilation Materials Used to Provide a Rainscreen Function, **04.12**
- E2926-13** Test Method for Forensic Comparison of Glass Using Micro X-ray Fluorescence ( $\mu$ -XRF) Spectrometry, **14.02**
- E2927-13** Test Method for Determination of Trace Elements in Soda-Lime Glass Samples Using Laser Ablation Inductively Coupled Plasma Mass Spectrometry for Forensic Comparisons, **14.02**
- E2928/E2928M-13** Practice for Examination of Drillstring Threads Using the Alternating Current Field Measurement Technique, **03.03**
- E2929-13** Practice for Guided Wave Testing of Above Ground Steel Piping with Magnetostrictive Transduction, **03.03**
- E2930-13** Practice for Pressure Decay Leak Test Method, **03.03**
- E2931-13** Test Method for Limiting Oxygen (Oxidant) Concentration of Combustible Dust Clouds, **14.02**
- E2933-13** Specification for Stationary Point Chemical Vapor Detectors (SPCVD) for Homeland Security Applications, **15.08**
- E2934-13** Practice for Digital Imaging and Communication in Nondestructive Evaluation (DICONDE) for Eddy Current (EC) Test Methods, **03.03**
- E2935-13** Practice for Conducting Equivalence Testing in Laboratory Applications, **14.02**
- E2936-13** Guide for Contractor Self Assessment for U.S. Government Property Management Systems, **04.12**
- E2937-13** Guide for Using Infrared Spectroscopy in Forensic Paint Examinations, **14.02**
- E2939-13** Practice for Determining Reporting Conditions and Expected Capacity for Photovoltaic Non-Concentrator Systems, **12.02**
- E2941-13** Practice for Nitric Acid-Extraction of Elements from Ores and Related Metallurgical Materials by Closed Vessel Microwave Heating, **03.05**
- E2943-14** Guide for Two-Sample Acceptance and Preference Testing with Consumers, **15.08**

- E2945-14** Test Method for Film Permeability Determination Using Static Permeability Cells, **11.05**
- E2946-13** Test Method for Determining the Bacteria-Reducing Effectiveness of Food-Handler Handwash Formulations Using Hands of Adults, **11.05**
- E2948-14** Test Method for Conducting Rotating Bending Fatigue Tests of Solid Round Fine Wire, **03.01**
- E2950-14** Specification for Metal Canopy Systems, **15.08**
- E2951-13** Guide for Community Emergency Preparedness for Persons with Disabilities, **15.08**
- E2952-14** Specification for Air-Purifying Respiratory Protective Smoke Escape Devices (RPED), **15.08**
- E2955-13** Practice for Simulating Profilograph Response to Longitudinal Profiles of Traveled Surfaces, **04.03**
- E2956-14** Guide for Monitoring the Neutron Exposure of LWR Reactor Pressure Vessels, **12.02**
- E2958-14** Test Methods for Kinetic Parameters by Factor Jump/Modulated Thermogravimetry, **14.02**
- E2962-14** Guide for Fleet Management, **04.12**
- E2964-14** Test Method for Measurement of the Normalized Insertion Loss of Doors, **04.06**
- E2966-14** Test Method for Quantitative Assessment of Sanitizing Solutions for Carpet, **11.05**
- E2971-14** Test Method for Determination of Effective Boron-10 Areal Density in Aluminum Neutron Absorbers using Neutron Attenuation Measurements, **03.03**
- E2977-14** Practice for Measuring and Reporting Performance of Fourier-Transform Nuclear Magnetic Resonance (FT-NMR) Spectrometers for Liquid Samples, **03.06**

## ES. EMERGENCY STANDARDS

- ES1 Withdrawn 1977; Emergency Standard Specification for Automotive Gasoline
- ES2 Withdrawn 1977; Emergency Standard Specification for Aviation Turbine Fuels; Replaced by D1655
- ES3 Withdrawn 1977; Emergency Standard Specification for Roof and Rock Bolts and Accessories; Replaced by F432
- ES4 Withdrawn 1979; Emergency Standard Specification for Steel Castings, Ferritic and Martensitic, for Pressure-Containing and Other Applications for Low-Temperature Service; Replaced by A757/A757M
- ES5 Withdrawn 1982; Emergency Standard Specification for Automotive Gasoline
- ES6 Withdrawn 1988; Emergency Standard Practice for Labeling Ceramic Art Materials for Chronic Adverse Health Hazards; Replaced by C1023
- ES7 Withdrawn 1988; Emergency Standard Test Method for Electromagnetic Shielding Effectiveness of Planar Materials; Replaced by D4935
- ES8 Withdrawn 1988; Emergency Standard Specification for Portable Kerosine Containers for Consumer Use; Replaced by F976
- ES9 Withdrawn 1988; Emergency Standard Practice for Cautionary Labeling of Portable Kerosine Containers for Consumer Use; Replaced by F926
- ES10 Withdrawn 1988; Emergency Standard Method for 24-h Batch-Type Distribution Ration (RD) for Contaminant Sorption by Soils and Sediments; Replaced by D4646
- ES11 Withdrawn 1987; Emergency Standard Specification Expanded or Exfoliated Vermiculite Thermal Insulating Cement; Replaced by C196
- ES12 Withdrawn 1990; Emergency Standard Practice for Production and Evaluation of Field Metallographic Replicas
- ES13 Withdrawn 1990; Emergency Standard Performance Specification for Safety Covers and Labeling Requirements for All Covers for Swimming Pools, Spas, and Hot Tubs; Replaced by F1346
- ES14 Withdrawn 1992; Emergency Standard Test Method for Vapor Pressure of Petroleum Products (Automatic Method); Replaced by D5190
- ES15 Withdrawn 1992; Emergency Standard Test Method for Vapor Pressure of Petroleum Products (Mini Method); Replaced by D5191
- ES16 Withdrawn 1992; Emergency Standard Practice for Generation of Environmental Data Related to Waste Management Activities
- ES17 Withdrawn 1993; Emergency Standard Specification for Special Purpose, Smooth-Tread Tire; Replaced by E1551
- ES18 Withdrawn 1992; Emergency Standard Guide for Radon Control Options for the Design and Construction of New Low Rise Residential Buildings; Replaced by E1465
- ES19 Withdrawn 1994; Emergency Standard Test Method for Particulate Contamination in Aviation Fuels by Laboratory Filtration; Replaced by D5452
- ES20 Withdrawn 1994; Emergency Standard Test Method for Evaluating the Mechanical Properties of Fire-Retardant Treated Softwood Plywood Exposed to Elevated Temperatures; Replaced by D5516
- ES21 Withdrawn 1995; Emergency Standard Test Method for Resistance of Protective Clothing Materials to Synthetic Blood; Replaced by F1670
- ES22 Withdrawn 1995; Emergency Standard Test Method for Resistance of Protective Clothing Materials to Penetration by Blood-Borne Pathogens Using Viral Penetration as a Test System; Replaced by F1671
- ES24 Withdrawn 1995; Emergency Standard Specification for Halon 1301 Bromotrifluoromethane (Cf3Br); Replaced by D5632
- ES26 Withdrawn 1996; Emergency Standard Specification for Cautionary Labeling for Five Gallon Open-Head Containers (Buckets)
- ES27 Withdrawn 1996; Emergency Standard Practice for Rubber—Establishing Replacement Immersion Reference Oils for ASTM No.2 and No.3 Immersion Oils as Used in Test Method D471; Replaced by D5964
- ES28 Withdrawn 1995; Emergency Standard Practice for Field Collection of Dried Paint Samples for Lead Determination by Atomic Spectrometry Techniques; Replaced by E1729
- ES29 Withdrawn 1995; Emergency Standard Practice for Field Collection of Soil Samples for Lead Determination by Atomic Spectrometry Techniques; Replaced by E1727
- ES30 Withdrawn 1995; Emergency Standard Practice for Field Collection of Settled Dust Samples Using Wipe Sampling Methods for Lead Determination by Atomic Spectrometry Techniques; Replaced by E1728
- ES33 Withdrawn 1995; Practice for Preparation of Airborne Particulate Lead Samples Collected During Abatement and Construction Activities for Subsequent Analysis by Atomic Spectrometry; Replaced by E1741
- ES35 Withdrawn 1994; Emergency Test Methods for Analysis of Digested Samples for Lead by Inductively Coupled Plasma (ICP-AES) Flame Atomic Absorption (FAAS), or Graphite Furnace Atomic Absorption (GFAAS) Techniques; Replaced by E1613
- ES36 Withdrawn 1995; Emergency Standard Practice for Hot Plate Digestion of Dust Wipe Samples for the Determination of Lead by Atomic Spectrometry; Replaced by E1644
- ES37 Withdrawn 1995; Emergency Standard Practice for Practice for Preparation of Dried Paint Samples for Subsequent Lead Analysis by Atomic Spectrometry; Replaced by E1645
- ES38 Withdrawn 1995; Guide for Risk-Based Corrective Action Applied at Petroleum Release Sites; Replaced by E1739
- ES40 Withdrawn 1997; Emergency Standard Practice for Alternative Procedures for the Assessment of Buried Steel Tanks Prior to the Addition of Cathodic Protection

## F. MATERIALS FOR SPECIFIC APPLICATIONS

- F1 Withdrawn 2009; Specification for Nickel-Clad and Nickel-Plated Steel Strip for Electron Tubes
- F2 Withdrawn 1992; Specification for Aluminum-Clad Steel Strip and Nickel-Steel-Aluminum Composite Strip for Electron Tubes
- F3 Withdrawn 2008; Specification for Nickel Strip for Electron Tubes
- F4 Withdrawn 2010; Specification for Carbonized Nickel Strip and Carbonized Nickel-Plated and Nickel-Clad Steel Strip for Electron Tubes
- F5 Withdrawn 1994; Test Method for Volatile Content of Germanium Dioxide
- F6 Withdrawn 1994; Test Method for Bulk Density of Germanium Dioxide
- F7-95(2011)** Specification for Aluminum Oxide Powder, **10.04**
- F8 Withdrawn 1973; Recommended Practice for Testing Electron Tube Materials Using Reference Triodes
- F9 Withdrawn 1992; Specification for Round Wire for Use as Grid Siderods in Electron Tubes
- F10 Withdrawn 1992; Specification for Miniature Electron Tube Leads
- F11 Withdrawn 1973; Recommended Practice for Testing Electron Tube Parts by Means of a Reference Planar Diode
- F12 Withdrawn 1984; Specification for Mica Bridges for Electron Tubes
- F13 Withdrawn 1979; Specification for Disk Cathode Assemblies
- F14-80(2010)** Practice for Making and Testing Reference Glass-Metal Bead-Seal, **15.02**
- F15-04(2013)** Specification for Iron-Nickel-Cobalt Sealing Alloy, **10.04**
- F16-12** Test Methods for Measuring Diameter or Thickness of Wire and Ribbon for Electronic Devices and Lamps, **10.04**
- F17-13a** Terminology Relating to Flexible Barrier Packaging, **15.10**
- F18-12** Specification and Test Method for Evaluation of Glass-to-Metal Headers Used in Electron Devices, **10.04**
- F19-11** Test Method for Tension and Vacuum Testing Metallized Ceramic Seals, **10.04**
- F20 Withdrawn 1992; Specification for High-Conductivity Composite Aluminum-Steel-Copper Strip for Electron Tubes
- F21-65(2007)** Test Method for Hydrophobic Surface Films by the Atomizer Test, **15.03**
- F22-13** Test Method for Hydrophobic Surface Films by the Water-Break Test, **15.03**
- F23 Withdrawn 2000; Guide for Selecting Methods of Temperature Measurement of Thermionic Emitters
- F24-09** Test Method for Measuring and Counting Particulate Contamination on Surfaces, **15.03**
- F25/F25M-09** Test Method for Sizing and Counting Airborne Particulate Contamination in Cleanrooms and Other Dust-Controlled Areas, **15.03**
- F26 Withdrawn 2003; Test Methods for Determining the Orientation of a Semiconductive Single Crystal
- F27 Withdrawn 1995; Practice for Preparing a Test Ingot of Germanium by Hydrogen Reduction of Germanium Dioxide
- F28 Withdrawn 2003; Test Methods for Minority-Carrier Lifetime in Bulk Germanium and Silicon by Measurement of Photoconductivity Decay
- F29-97(2012)** Specification for Dumet Wire for Glass-to-Metal Seal Applications, **10.04**
- F30-96(2012)** Specification for Iron-Nickel Sealing Alloys, **10.04**
- F31-12** Specification for Nickel-Chromium-Iron Sealing Alloys, **10.04**
- F32 Withdrawn 1973; Recommended Practice for Scratch-Adhesion Testing of Cathode Coatings
- F33 Withdrawn 1971; Recommended Practice for Determination of Gas Content of Strip Materials
- F34-13** Practice for Construction of Test Cell for Liquid Extraction of Flexible Barrier Materials, **15.10**
- F35 Withdrawn 1994; Practice for Identification of Minute Crystalline Particle Contaminants by X-Ray Diffraction
- F36-99(2009)** Test Method for Compressibility and Recovery of Gasket Materials, **09.02**
- F37-06(2013)** Test Methods for Sealability of Gasket Materials, **09.02**
- F38-00(2014)** Test Methods for Creep Relaxation of a Gasket Material, **09.02**
- F39 Withdrawn 1978; Methods of Testing Compressed Asbestos Sheet Packing
- F40 Withdrawn 1989; Method for Preparing Monocrystalline Test Ingots of Silicon by the Vertical-Pulling (Czochralski) Technique
- F41 Withdrawn 1995; Practice for Preparing Silicon Single Crystals by the Floating-Zone Technique for Evaluation of Polysilicon Ingot; Replaced by F1723
- F42 Withdrawn 2003; Test Methods for Conductivity Type of Extrinsic Semiconducting Materials
- F43 Withdrawn 2003; Test Methods for Resistivity of Semiconductor Materials
- F44-95(2011)** Specification for Metallized Surfaces on Ceramic, **10.04**
- F45 Withdrawn 1971; Method of Test for Oxygen Content of Silicon
- F46 Withdrawn 1993; Practice for Room Temperature Resistivity Measurements on Thermoelectric Materials
- F47 Withdrawn 1998; Test Method for Crystallographic Perfection of Silicon by Preferential Etch Techniques; Replaced by F1725
- F48 Withdrawn 1984; Recommended Practices for Dimensioning Mica Bridges
- F49 Withdrawn 1978; Specification for Molybdenum Strip for Electron Tubes
- F50-12** Practice for Continuous Sizing and Counting of Airborne Particles in Dust-Controlled Areas and Clean Rooms Using Instruments Capable of Detecting Single Sub-Micrometre and Larger Particles, **15.03**
- F51/F51M-00(2014)**<sup>1</sup> Test Method for Sizing and Counting Particulate Contaminant In and On Clean Room Garments, **15.03**
- F52 Withdrawn 1979; Method of Test for Silting Index of Fluids for Processing Electron and Microelectronic Devices
- F53 Withdrawn 1984; Recommended Practice for Measurement of Sublimation from Thermionic Emitters
- F54 Withdrawn 1981; Recommended Practice for Determining Multiple Photomask Registration
- F55 Withdrawn 1991; Specification for Stainless Steel Bar and Wire for Surgical Implants
- F56 Withdrawn 1991; Specification for Stainless Steel Sheet and Strip for Surgical Implants
- F57 Withdrawn 1990; Test Method for Concentrating and Measuring Trace Quantities of Copper in High-Purity Water Used in the Electronics Industry
- F58 Withdrawn 1998; Test Method of Measuring Specific Resistivity of Electronic Grade Solvents
- F59 Withdrawn 1994; Practice for Identification of Metal Particulate Contamination Found in Electronic and Microelectronic Components and Systems Using the Ring Oven Technique, with Spot Tests
- F60 Withdrawn 1993; Test Methods for Detection and Estimation of Microbiological Contaminants in Water Used for Processing Electron and Microelectronic Devices
- F61 Withdrawn 1993; Test Method for Phosphate in Electronic Grade Hydrogen Peroxide Solutions
- F62 Withdrawn 1990; Test Method for Tin in Electronic Grade Hydrogen Peroxide Solutions
- F63 Withdrawn 1984; Specification for Electronic Grade Soluble Cellulose Nitrate
- F64 Withdrawn 1981; Method of Test for Corrosive and Adhesive Effects of Gasket Materials on Metal Surfaces; Replaced by F607
- F65 Withdrawn 1990; Specification for Primary Amyl Acetate (Mixed Isomers) for Use in Fabricating Electron Devices
- F66 Withdrawn 1996; Test Methods for Testing Photoresists Used in Microelectronic Fabrication
- F67-13** Specification for Unalloyed Titanium, for Surgical Implant Applications (UNS R50250, UNS R50400, UNS R50550, UNS R50700), **13.01**
- F68-10** Specification for Oxygen-Free Copper in Wrought Forms for Electron Devices, **02.01**
- F69 Withdrawn 1984; Specification for Diethyl Oxalate for Use in Fabricating Electron Devices
- F70 Withdrawn 1990; Specification for Cathode Carbonates
- F71 Withdrawn 2005; Practice for Using the Morphological Key for the Rapid Identification of Fibers for Contamination Control in Electron Devices and Microelectronics; Replaced by D276
- F72-06** Specification for Gold Wire for Semiconductor Lead Bonding, **10.04**
- F73-96(2013)** Specification for Tungsten-Rhenium Alloy Wire for Electron Devices and Lamps, **10.04**
- F74 Withdrawn 1994; Practice for Determining Hydrolytic Stability of Plastic Encapsulants for Electronic Devices
- F75-12** Specification for Cobalt-28 Chromium-6 Molybdenum Alloy Castings and Casting Alloy for Surgical Implants (UNS R30075), **13.01**
- F76-08** Test Methods for Measuring Resistivity and Hall Coefficient and Determining Hall Mobility in Single-Crystal Semiconductors, **10.04**
- F77 Withdrawn 2001; Test Method for Apparent Density of Ceramics for Electron Device and Semiconductor Application
- F78 Withdrawn 2008; Test Method for Calibration of Helium Leak Detectors by Use of Secondary Standards
- F79-69(2010)** Specification for Type 101 Sealing Glass, **15.02**
- F80 Withdrawn 1998; Test Method for Crystallographic Perfection of Epitaxial Deposits of Silicon by Etching Techniques; Replaced by F1726
- F81 Withdrawn 2003; Test Method for Measuring Radial Resistivity Variation on Silicon Wafers
- F82 Withdrawn 1976; Recommended Practice for Fast Quality Check on Immersion for Nonmetallic Gasket Materials
- F83-71(2013)** Practice for Definition and Determination of Thermionic Constants of Electron Emitters, **10.04**
- F84 Withdrawn 2003; Test Method for Measuring Resistivity of Silicon Wafers With an In-Line Four-Point Probe
- F85-76(2013)** Practice for Nomenclature for Wire Leads Used as Conductors in Electron Tubes, **10.04**
- F86-13** Practice for Surface Preparation and Marking of Metallic Surgical Implants, **13.01**
- F87 Withdrawn 1980; Method of Test for Rate of Grease Penetration of Flexible Barrier Materials
- F88/F88M-09** Test Method for Seal Strength of Flexible Barrier Materials, **15.10**
- F89 Withdrawn 1980; Method for Determination of the Modulus of a Flexible Barrier Material by Sonic Method
- F90-09** Specification for Wrought Cobalt-20Chromium-15Tungsten-10Nickel Alloy for Surgical Implant Applications (UNS R30605), **13.01**
- F91-06(2011)** Practice for Testing for Leaks in the Filters Associated With Laminar Flow Clean Rooms and Clean Work Stations by Use of a Condensation Nuclei Detector, **15.03**
- F92-93(2008)** Practice for Determination of Character Yield of Inked Fabric Typewriter and Printer Ribbons, **15.09**
- F93 Withdrawn 1979; Recommended Practice for Preparation of Specifications for the Procurement of Photomasks
- F94 Withdrawn 1992; Test Method for Aluminum in Electronic Grade Hydrogen Peroxide
- F95 Withdrawn 2003; Test Method for Thickness of Lightly Doped Silicon Epitaxial Layers on Heavily Doped Silicon Substrates Using an Infrared Dispersive Spectrophotometer

- F96-77(2010)** Specification for Electronic Grade Alloys of Copper and Nickel in Wrought Forms, **10.04**
- F97** *Withdrawn 2008; Practices for Determining Hermeticity of Electron Devices by Dye Penetration*
- F98** *Withdrawn 1992; Practices for Determining Hermeticity of Electron Devices by a Bubble Test*
- F99-07(2011)** Guide for Writing a Specification for Flexible Barrier Rollstock Materials, **15.10**
- F100** *Withdrawn 1996; Test Method for Shrinkage Stresses in Plastic Embedment Materials Using a Photoelastic Technique for Electronic and Similar Applications*
- F101** *Withdrawn 1973; Specification for Composite Strip of Iron-Nickel-Cobalt Alloy and Copper for Use in Electron Devices*
- F102** *Withdrawn 1990; Method for Spectrochemical Analysis of Emissive Carbonates by the Powder D-C Arc Technique*
- F103** *Withdrawn 1972; Specification for Alumina; Replaced by D2442*
- F104-11** Classification System for Nonmetallic Gasket Materials, **09.02**
- F105-72(2010)** Specification for Type 58 Borosilicate Sealing Glass, **15.02**
- F106-12** Specification for Brazing Filler Metals for Electron Devices, **10.04**
- F107** *Withdrawn 1976; Recommended Practice for Boron-Deoxidized Copper in Wrought Forms for Electron Devices*
- F108** *Withdrawn 1993; Test Method for Resistivity of Silicon Epitaxial Layers by the Three-Probe Voltage Breakdown Method*
- F109-12** Terminology Relating to Surface Imperfections on Ceramics, **15.02**
- F110** *Withdrawn 2003; Test Method for Thickness of Epitaxial or Diffused Layers in Silicon by the Angle Lapping and Staining Technique*
- F111** *Withdrawn 2008; Practice for Determining Barium Yield, Getter Gas Content, and Getter Sorption Capacity for Barium Flash Getters*
- F112-00(2013)** Test Method for Sealability of Enveloped Gaskets, **09.02**
- F113** *Withdrawn 1995; Method for Stiffness Testing of Wire for Electron Devices and Lamps*
- F114** *Withdrawn 1980; Specification for Bone Screw Threads; Replaced by F543*
- F115** *Withdrawn 1980; Specification for Bone Screw Heads; Replaced by F543*
- F116-12** Specification for Medical Screwdriver Bits, **13.01**
- F117** *Withdrawn 2001; Test Method for Driving Torque of Medical Bone Screws; Replaced by F543, F1622*
- F118-13** Definitions of Terms Relating to Gaskets, **09.02**
- F119-82(2008)** Test Method for Rate of Grease Penetration of Flexible Barrier Materials (Rapid Method), **15.10**
- F120** *Withdrawn 1993; Practices for Determination of the Concentration of Impurities in Single Crystal Semiconductor Materials by Infrared Absorption Spectroscopy*
- F121** *Withdrawn 1990; Test Method for Interstitial Atomic Oxygen Content of Silicon by Infrared Absorption*
- F122** *Withdrawn 1990; Test Method for Interstitial Atomic Oxygen Content of Germanium by Infrared Absorption*
- F123** *Withdrawn 1992; Test Method for Substitutional Atomic Carbon Content of Silicon by Infrared Absorption; Replaced by F1391*
- F124** *Withdrawn 1976; Method of Test for Coincident Current Memory Core Stacks*
- F125** *Withdrawn 1976; Method of Test for Non-Metallic Magnetic Cores to be Used in a Linear Select Memory With a Non-Symmetrical Ratio Operation Under Full Switching Conditions*
- F126** *Withdrawn 1976; Terms and Definitions Which Relate to the Use and Testing of Ferrite Memory Cores and Memory Core Arrays*
- F127** *Withdrawn 1993; Definitions of Terms Relating to Photomasking Technology for Microelectronics*
- F128** *Withdrawn 1992; Methods of Testing Sleeves and Tubing for Electron Tube Cathodes*
- F129-97(2008)** Practice for Amount of Ink Deposit on Carbon Paper and Inked Ribbons, Other Than Fabric Type, **15.09**
- F130** *Redesignated A883*
- F131** *Redesignated A893*
- F132** *Withdrawn 1987; Methods of Testing Nonmetallic Magnetic Cores to be Used in a Coincident Current Memory With a Two-to-One Selection Ratio Operating Under Full Switching Conditions*
- F133** *Redesignated A894*
- F134** *Withdrawn 1996; Test Methods for Determining Hermeticity of Electron Devices with a Helium Mass Spectrometer Detector*
- F135** *Withdrawn 1998; Test Method for Embedment Stress Caused by Casting Compounds on Glass-Encased Electronic Components*
- F136-13** Specification for Wrought Titanium-6Aluminum-4Vanadium ELI (Extra Low Interstitial) Alloy for Surgical Implant Applications (UNS R56401), **13.01**
- F137-08(2013)** Test Method for Flexibility of Resilient Flooring Materials with Cylindrical Mandrel Apparatus, **15.04**
- F138-13a** Specification for Wrought 18Chromium-14Nickel-2.5Molybdenum Stainless Steel Bar and Wire for Surgical Implants (UNS S31673), **13.01**
- F139-12** Specification for Wrought 18Chromium-14Nickel-2.5Molybdenum Stainless Steel Sheet and Strip for Surgical Implants (UNS S31673), **13.01**
- F140-98(2013)** Practice for Making Reference Glass-Metal Butt Seals and Testing for Expansion Characteristics by Polarimetric Methods, **15.02**
- F141-12** Terminology Relating to Resilient Floor Coverings, **15.04**
- F142** *Withdrawn 2007; Test Method for Indentation of Resilient Floor Tiles (McBurney Test); Replaced by F1914*
- F143** *Withdrawn 1985; Method of Test for Thickness of Epitaxial Layers of Silicon by Measurement of Stacking Fault Dimension*
- F144-80(2010)** Practice for Making Reference Glass-Metal Sandwich Seal and Testing for Expansion Characteristics by Polarimetric Methods, **15.02**
- F145-72(2009)** Practice for Evaluating Flat-Faced Gasketed Joint Assemblies, **09.02**
- F146-12** Test Methods for Fluid Resistance of Gasket Materials, **09.02**
- F147-87(2009)** Test Method for Flexibility of Non-Metallic Gasket Materials, **09.02**
- F148-13** Test Method for Binder Durability of Cork Composition Gasket Materials, **09.02**
- F149-92b(2009)** Terminology Relating to Optical Character Recognition, **15.09**
- F150-06(2013)** Test Method for Electrical Resistance of Conductive and Static Dissipative Resilient Flooring, **15.04**
- F151** *Withdrawn 2004; Test Method for Residual Solvents in Flexible Barrier Materials*
- F152-95(2009)** Test Methods for Tension Testing of Nonmetallic Gasket Materials, **09.02**
- F153-95(2008)** Test Method for Determining the Yield of Wide Inked Computer Ribbons, **15.09**
- F154** *Withdrawn 2003; Guide for Identification of Structures and Contaminants Seen on Specular Silicon Surfaces*
- F155** *Withdrawn 1983; Method of Test for Temper of Strip and Sheet Metals for Electronic Devices (Spring-Back Method)*
- F156** *Not Assigned*
- F157** *Withdrawn 1959; Methods of Testing Wire for Supports Used in Electronic Devices and Lamps*
- F158** *Not Assigned*
- F159** *Not Assigned*
- F160** *Not Assigned*
- F161** *Not Assigned*
- F162** *Not Assigned*
- F163** *Not Assigned*
- F164** *Not Assigned*
- F165** *Not Assigned*
- F166** *Not Assigned*
- F167** *Not Assigned*
- F168** *Not Assigned*
- F169** *Not Assigned*
- F170** *Not Assigned*
- F171** *Not Assigned*
- F172** *Not Assigned*
- F173** *Not Assigned*
- F174** *Not Assigned*
- F175** *Withdrawn 1963; Specification for Round Nickel Wire for Lamps and Electronic Devices*
- F176** *Not Assigned*
- F177** *Not Assigned*
- F178** *Not Assigned*
- F179** *Not Assigned*
- F180-94(2010)<sup>e1</sup>** Test Method for Density of Fine Wire and Ribbon Wire for Electronic Devices, **10.04**
- F181** *Not Assigned*
- F182** *Not Assigned*
- F183** *Not Assigned*
- F184** *Not Assigned*
- F185** *Not Assigned*
- F186** *Not Assigned*
- F187** *Not Assigned*
- F188** *Not Assigned*
- F189** *Not Assigned*
- F190** *Not Assigned*
- F191** *Not Assigned*
- F192** *Not Assigned*
- F193** *Not Assigned*
- F194** *Not Assigned*
- F195** *Not Assigned*
- F196** *Not Assigned*
- F197** *Not Assigned*
- F198** *Not Assigned*
- F199** *Not Assigned*
- F200** *Not Assigned*
- F201** *Not Assigned*
- F202** *Not Assigned*
- F203** *Withdrawn 1965; Method of Test for Strength of Welded Joints of Lead Wires for Electronic Devices and Lamps*
- F204-76(2013)** Test Method for Surface Flaws in Tungsten Seal Rod and Wire, **10.04**
- F205-94(2010)<sup>e1</sup>** Test Method for Measuring Diameter of Fine Wire by Weighing, **10.04**
- F206** *Not Assigned*
- F207** *Not Assigned*
- F208** *Not Assigned*
- F209** *Not Assigned*
- F210** *Not Assigned*
- F211** *Not Assigned*
- F212** *Not Assigned*
- F213** *Not Assigned*
- F214** *Not Assigned*
- F215** *Not Assigned*
- F216** *Not Assigned*
- F217** *Not Assigned*

**F218-13** Test Method for Measuring Optical Retardation and Analyzing Stress in Glass, **15.02**

**F219-96(2013)** Test Methods of Testing Fine Round and Flat Wire for Electron Devices and Lamps, **10.04**

F220 Not Assigned

**F221-98(2009)** Terminology Relating to Carbon Paper and Inked Ribbon Products and Images Made Therefrom, **15.09**

F222 Not Assigned

F223 Not Assigned

F224 Not Assigned

F225 Not Assigned

F226 Not Assigned

F227 Not Assigned

F228 Not Assigned

F229 Not Assigned

F230 Not Assigned

F231 Not Assigned

F232 Withdrawn 1984; Method of Test for Curl Resistance of Carbon Paper

F233 Not Assigned

F234 Not Assigned

F235 Not Assigned

F236 Not Assigned

F237 Not Assigned

F238 Withdrawn 1978; Recommended Practice for Cathode Melt Prove-in Testing

F239 Withdrawn 1992; Specification for Nickel-Alloy Cathode Sleeves for Electron Devices

F240 Not Assigned

F241 Not Assigned

F242 Not Assigned

F243 Not Assigned

F244 Not Assigned

F245 Not Assigned

F246 Not Assigned

F247 Not Assigned

F248 Not Assigned

F249 Not Assigned

F250 Not Assigned

F251 Not Assigned

F252 Not Assigned

F253 Not Assigned

F254 Withdrawn 1998; Test Method for Slip Resistance of Carbon Paper

F255 Not Assigned

**F256-05(2010)** Specification for Chromium-Iron Sealing Alloys with 18 or 28 Percent Chromium, **10.04**

F257 Withdrawn 1973; Specification for 28% Chromium-Iron Alloy for Sealing to Glass; Combined with F 256

F258 Not Assigned

F259 Not Assigned

F260 Not Assigned

F261 Not Assigned

F262 Not Assigned

F263 Not Assigned

F264 Not Assigned

F265 Not Assigned

F266 Not Assigned

F267 Not Assigned

F268 Withdrawn 1959; Specification for Round Chromium-Copper Wire for Electronic Devices

**F269-60(2009)** Test Method for Sag of Tungsten Wire, **10.04**

F270 Withdrawn 1972; Recommended Practice for Testing Relative Thermionic Emissive Properties of Electron Tube Materials Using a Reference Cylindrical Diode

F271 Not Assigned

F272 Not Assigned

F273 Not Assigned

F274 Not Assigned

F275 Not Assigned

F276 Not Assigned

F277 Not Assigned

F278 Withdrawn 1972; Method of Test for Sublimation Characteristics of Metallic Materials in Cathode Sleeve Form by Electrical Resistance

F279 Not Assigned

F280 Not Assigned

F281 Not Assigned

F282 Not Assigned

F283 Not Assigned

F284 Not Assigned

F285 Not Assigned

F286 Not Assigned

F287 Not Assigned

**F288-96(2009)** Specification for Tungsten Wire for Electron Devices and Lamps, **10.04**

**F289-96(2009)** Specification for Molybdenum Wire and Rod for Electronic Applications, **10.04**

**F290-94(2010)** Specification for Round Wire for Winding Electron Tube Grid Laterals, **10.04**

F291 Not Assigned

F292 Not Assigned

F293 Not Assigned

F294 Not Assigned

F295 Not Assigned

F296 Not Assigned

F297 Not Assigned

F298 Not Assigned

F299 Not Assigned

F300 Withdrawn 1992; Test Methods for Measuring Interface Impedance Characteristics of Electron Tube Cathodes

F301 Withdrawn 2000; Practice for Open Bottle Tap Sampling of Liquid Streams

**F302-09** Practice for Field Sampling of Aerospace Fluids in Containers, **15.03**

**F303-08** Practices for Sampling for Particles in Aerospace Fluids and Components, **15.03**

F304 Withdrawn 1988; Method of Sampling for Particulates from Aerospace Components With Convolutives

F305 Withdrawn 1988; Method of Sampling Particulates from Reservoir-Type Pressure-Sensing Instruments by Fluid Flushing

F306 Withdrawn 2000; Practice for Sampling Particulates from Man-Accessible Storage Vessels for Aerospace Fluids by Vacuum Entrainment Technique (General Method)

**F307-13** Practice for Sampling Pressurized Gas for Gas Analysis, **15.03**

F308 Withdrawn 1988; Method of Sampling Gas Blow-Down Systems and Components for Particulate Contamination by Manual Method

**F309-04(2010)** Practice for Liquid Sampling of Noncryogenic Aerospace Propellants, **15.03**

**F310-07(2012)** Practice for Sampling Cryogenic Aerospace Fluids, **15.03**

**F311-08(2013)** Practice for Processing Aerospace Liquid Samples for Particulate Contamination Analysis Using Membrane Filters, **15.03**

**F312-08** Test Methods for Microscopical Sizing and Counting Particles from Aerospace Fluids on Membrane Filters, **15.03**

F313 Redesignated D4898

F314 Withdrawn 1991; Test Methods for Identification of Metallic and Fibrous Contaminants in Aerospace Fluids

F315 Withdrawn 1998; Test Methods of Identification of Solder and Solder Flux Contaminants in Aerospace Fluids

**F316-03(2011)** Test Methods for Pore Size Characteristics of Membrane Filters by Bubble Point and Mean Flow Pore Test, **11.02**

F317 Withdrawn 1995; Test Method for Liquid Flow Rate of Membrane Filters

F318 Withdrawn 2013; Practice for Sampling Airborne Particulate Contamination in Cleanrooms for Handling Aerospace Fluids; Replaced by F25/F25M

**F319-09** Practice for Polarized Light Detection of Flaws in Aerospace Transparency Heating Elements, **15.03**

**F320-10** Test Method for Hail Impact Resistance of Aerospace Transparent Enclosures, **15.03**

F321 Withdrawn 1983; Automatic Particle Counter Size Setting Method

F322 Withdrawn 1992; Method for Determining the Quality of Calibration Particles for Automatic Particle Counters

F323 Withdrawn 1989; Practice for Precision Classification of Particles

F324 Withdrawn 1987; Test Method for Nonvolatile Residue of Volatile Cleaning Solvents Using the Solvent Purity Meter

F325 Not Assigned

**F326-96(2012)** Test Method for Electronic Measurement for Hydrogen Embrittlement From Cadmium-Electroplating Processes, **15.03**

**F327-08** Practice for Sampling Gas Blow Down Systems and Components for Particulate Contamination by Automatic Particle Monitor Method, **15.03**

F328 Withdrawn 2007; Practice for Calibration of an Airborne Particle Counter Using Monodisperse Spherical Particles

F329 Withdrawn 1993; Practice for Sampling and Measurement of Particulate Contamination in Liquids Using an In-Line Automatic Monitor

**F330-10** Test Method for Bird Impact Testing of Aerospace Transparent Enclosures, **15.03**

**F331-13** Test Method for Nonvolatile Residue of Solvent Extract from Aerospace Components (Using Flash Evaporator), **15.03**

F332 Withdrawn 1982; Method of Test for Amount of Nonvolatile Residue (NVR) in Trichlorotrifluoroethane (Meseran Procedure)

F333 Withdrawn 1982; Method of Test for Amount of Lubricant on the Surface of Aluminum Foils (Meseran Procedure)

F334 Withdrawn 1990; Method for Measuring Lithium-Ion Drift Mobility in Germanium Single Crystals

**F335-03(2009)** Terminology Relating to Electrostatic Imaging, **15.09**

**F336-02(2009)** Practice for Design and Construction of Nonmetallic Enveloped Gaskets for Corrosive Service, **09.02**

F337 Withdrawn 1982; Recommended Practice for Dimensions and Tolerances for Bone Plates; Replaced by F786

F338 Withdrawn 1982; Specification for Tiplal-Type Bone Plate; Replaced by F786

F339 Withdrawn 1998; Specification for Cloverleaf Intramedullary Pins

F340 Withdrawn 1997; Specification for Pilot-Type Medical Countersinks

F341 Withdrawn 1982; Specification for Slotted Bone Plates; Replaced by F786

F342 Withdrawn 1993; Specification for Counterlocking Screws (Thornton Type)

F343 Withdrawn 1993; Specification for Counterlocking Screws (Mclaughlin Type)

F344 Withdrawn 1993; Specification for Counterbored Hex-Head Bolts (Thornton Type) Made from Stainless Steel

F345 Withdrawn 1993; Specification for Counterbored Hex-Head Bolts (Mclaughlin Type) Made from Stainless Steel

F346 Withdrawn 1993; Specification for Cannulated Hex-Head Bolts (Thornton Type) Made from Cobalt-Chromium Alloy



- F347 *Withdrawn 1993; Specification for Cannulated Hex-Head Bolts (Mclaughlin Type) Made from Cobalt-Chromium Alloy*
- F348 *Withdrawn 1993; Specification for Hex-Head Bolts (Thornton Type) Made from Cobalt-Chromium Alloy*
- F349 *Withdrawn 1993; Specification for Hex-Head Bolts (Mclaughlin Type) Made from Cobalt-Chromium Alloy*
- F350 *Withdrawn 1993; Specification for Hex-Head Bolts (Thornton Type) and Lock Washers Made from Stainless Steel*
- F351 *Withdrawn 1993; Specification for Hex-Head Bolts (Mclaughlin Type) and Lock Washers Made from Stainless Steel*
- F352 *Withdrawn 1993; Specification for Lock Washers Made from Stainless Steel*
- F353 *Withdrawn 1991; Specification for Tri-Fin Nails Made from Cobalt-Chromium Alloy; Replaced by F1028*
- F354 *Withdrawn 1991; Specification for Tri-Fin Nails Made from Stainless Steel; Replaced by F1028*
- F355-10a** Test Method for Impact Attenuation of Playing Surface Systems and Materials, **15.07**
- F356 *Withdrawn 2001; Specification for Beryllia Ceramics for Electronic and Electrical Applications*
- F357 *Withdrawn 2008; Practice for Determining Solderability of Thick Film Conductors*
- F358 *Withdrawn 2008; Test Method for Wavelength of Peak Photoluminescence and the Corresponding Composition of Gallium Arsenide Phosphide Wafers*
- F359 *Withdrawn 2003; Practice for Static Immersion Testing of Unstressed Materials in Nitrogen Tetroxide (N<sub>2</sub>O<sub>4</sub>)*
- F360-82(2011)** Practice for Image Evaluation of Electrostatic Business Copies, **15.09**
- F361 *Withdrawn 1987; Practice for Assessment of Compatibility of Metallic Materials for Surgical Implants With Respect to Effect of Materials on Tissue; Replaced by F981*
- F362/F362M-91(2010)<sup>1</sup>** Test Method for Determining the Erasability of Inked Ribbons, **15.09**
- F363-99(2011)** Test Method for Corrosion Testing of Gaskets, **09.02**
- F364-96(2009)** Specification for Molybdenum Flattened Wire for Electron Tubes, **10.04**
- F365 *Withdrawn 1977; Recommended Practice for Electrostatic Charge Mobility on Flexible Barrier Materials*
- F366-10** Specification for Fixation Pins and Wires, **13.01**
- F367 *Withdrawn 1997; Specification for Holes and Slots for Inch Cortical Bone Screws*
- F367M *Withdrawn 1997; Specification for Holes and Slots with Spherical Contour for Metric Cortical Bone Screws [Metric]*
- F368 *Withdrawn 1982; Specification for Fixation Pins—Knowles and Hagie Types; Replaced by F366*
- F369 *Withdrawn 1982; Specification for Hip Nail—Jewett Type; Replaced by F787*
- F370 *Withdrawn 2005; Specification for Proximal Femoral Endoprosthesis*
- F371 *Withdrawn 2003; Test Methods for Compatibility of Materials with Liquid Oxygen (Reaction Intensity Method)*
- F372 *Withdrawn 2009; Test Method for Water Vapor Transmission Rate of Flexible Barrier Materials Using an Infrared Detection Technique*
- F373-13** Test Method for Embossed Depth of Resilient Floor Coverings, **15.04**
- F374 *Withdrawn 2003; Test Method for Sheet Resistance of Silicon Epitaxial, Diffused, Polysilicon, and Ion-implanted Layers Using an In-Line Four-Point Probe with the Single-Configuration Procedure*
- F375-89(2010)** Specification for Integrated Circuit Lead Frame Material, **10.04**
- F376/F376M *Withdrawn 1994; Test Methods for Tires for Wet Traction Performance in Cornering*
- F377-03(2009)** Practice for Calibration of Braking/Tractive Measuring Devices for Testing Tires, **09.02**
- F378 *Withdrawn 1978; Method of Test for Electrical Ignition Characteristics of Gas-Filled Flash Lamps*
- F379 *Withdrawn 1994; Test Method for Measuring Slope Efficiency and Lasing Threshold of Ruby Laser Rods*
- F380 *Withdrawn 1994; Test Method for Effective Fluorescent Lifetime of Neodymium-Doped Laser Materials*
- F381-14** Safety Specification for Components, Assembly, Use, and Labeling of Consumer Trampolines, **15.07**
- F382-99(2008)<sup>1</sup>** Specification and Test Method for Metallic Bone Plates, **13.01**
- F383 *Withdrawn 1996; Practice for Static Bend and Torsion Testing of Intramedullary Rods*
- F384-12** Specifications and Test Methods for Metallic Angled Orthopedic Fracture Fixation Devices, **13.01**
- F385 *Not Assigned*
- F386-11** Test Method for Thickness of Resilient Flooring Materials Having Flat Surfaces, **15.04**
- F387-11** Test Method for Measuring Thickness of Resilient Floor Covering With Foam Layer, **15.04**
- F388 *Withdrawn 1993; Method for Measurement of Oxide Thickness on Silicon Wafers and Metallization Thickness by Multiple-Beam Interference (Tolanksy Method)*
- F389 *Withdrawn 1993; Test Method for Crystallographic Perfection of Germanium by Preferential Etch Techniques*
- F390-11** Test Method for Sheet Resistance of Thin Metallic Films With a Collinear Four-Probe Array, **10.04**
- F391 *Withdrawn 2003; Test Methods for Minority Carrier Diffusion Length in Extrinsic Semiconductors by Measurement of Steady-State Surface Photovoltage*

- F392/F392M-11** Practice for Conditioning Flexible Barrier Materials for Flex Durability, **15.10**
- F393 *Withdrawn 1982; Recommended Practice for Inspection of Pneumatic Tires Prior to Retreading*
- F394 *Withdrawn 2001; Test Method for Biaxial Flexure Strength (Modulus of Rupture) of Ceramic Substrates*
- F395-10** Terminology Relating to Vacuum Cleaners, **15.08**
- F396-00(2009)** Practice for Comparing One-Time Noncorrectable Typewriter Ribbons, **15.09**
- F397 *Withdrawn 2003; Test Method for Resistivity of Silicon Bars Using a Two-Point Probe*
- F398 *Withdrawn 2003; Test Method for Majority Carrier Concentration in Semiconductors by Measurement of Wavenumber or Wavelength of the Plasma Resonance Minimum*
- F399 *Withdrawn 2003; Test Method for Thickness of Heteroepitaxial or Polysilicon Layers*
- F400-10** Consumer Safety Specification for Lighters, **15.11**
- F401 *Withdrawn 1980; Method of Test for Yield and Maintenance Factors for Gaskets*
- F402-05(2012)** Practice for Safe Handling of Solvent Cements, Primers, and Cleaners Used for Joining Thermoplastic Pipe and Fittings, **08.04**
- F403 *Withdrawn 2007; Test Method for Tires for Wet Traction in Straight-Ahead Braking, Using Highway Vehicles*
- F404-14** Consumer Safety Specification for High Chairs, **15.11**
- F405-13** Specification for Corrugated Polyethylene (PE) Pipe and Fittings, **08.04**
- F406-13** Consumer Safety Specification for Non-Full-Size Baby Cribs/Play Yards, **15.11**
- F407 *Not Assigned*
- F408-99(2008)** Test Method for Tires for Wet Traction in Straight-Ahead Braking, Using a Towed Trailer, **09.02**
- F409-12** Specification for Thermoplastic Accessible and Replaceable Plastic Tube and Tubular Fittings, **08.04**
- F410-08(2013)** Test Method for Wear Layer Thickness of Resilient Floor Coverings by Optical Measurement, **15.04**
- F411 *Withdrawn 1988; Method for Service-Free Life Evaluation of Air Handling System of Household Canister, Stick, Hand-Held, and Utility Vacuum Cleaners; Replaced by F1038*
- F412-13** Terminology Relating to Plastic Piping Systems, **08.04**
- F413 *Withdrawn 2002; Practice for Preparation of an Offset Duplicator for Use in Functional Testing of Lithographic Copy Products*
- F414-09** Test Method for Energy Absorbed by a Tire When Deformed by Slow-Moving Plunger, **09.02**
- F415-87(2010)** Test Method for Curl in Carbon Paper, **15.09**
- F416 *Withdrawn 1998; Test Method for Detection of Oxidation Induced Defects in Polished Silicon Wafers; Replaced by F1727*
- F417 *Withdrawn 2001; Test Method for Flexural Strength (Modulus of Rupture) of Electronic-Grade Ceramics*
- F418 *Withdrawn 2008; Practice for Preparation of Samples of the Constant Composition Region of Epitaxial Gallium Arsenide Phosphide for Hall Effect Measurements*
- F419 *Withdrawn 2001; Test Method for Determining Carrier Density in Silicon Epitaxial Layers by Capacitance-Voltage Measurements on Fabricated Junction or Schottky Diodes*
- F420-04(2009)** Test Method for Access Depth Under Furniture of Vacuum Cleaners, **15.08**
- F421-07(2013)<sup>1</sup>** Test Method for Measuring Groove and Void Depth in Passenger Car Tires, **09.02**
- F422 *Not Assigned*
- F423 *Withdrawn 2002; Specification for Polytetrafluoroethylene (PTFE) Plastic-Lined Ferrous Metal Pipe, Fittings, and Flanges*
- F424 *Withdrawn 2006; Test Method for Tires for Wet Driving Traction in Straight-Ahead Motion Using Highway Vehicles*
- F425 *Withdrawn 2003; Terminology Relating to Lithographic Copy Products*
- F426 *Withdrawn 1995; Practice for Evaluating and Classifying Methods for the Analysis of Fat in Meat and Meat Products*
- F427 *Withdrawn 1995; Practice for Sampling Meat to Determine Percent Composition in a Lot*
- F428-09** Test Method for Intensity of Scratches on Aerospace Glass Enclosures, **15.03**
- F429-10** Test Method for Shock-Attenuation Characteristics of Protective Headgear for Football, **15.07**
- F430-13** Specification for Paper Used for Vacuum Cleaner Filter Bags, **15.08**
- F431-04(2013)** Specification for Air Performance Measurement Plenum Chamber for Vacuum Cleaners, **15.08**
- F432-13** Specification for Roof and Rock Bolts and Accessories, **01.08**
- F433-02(2009)** Practice for Evaluating Thermal Conductivity of Gasket Materials, **09.02**
- F434-93(2009)** Test Method for Blow-Out Testing of Preformed Gaskets, **09.02**
- F435 *Withdrawn 1988; Method of Test for Peak Wet Traction of Tires in Cornering With Driving Torque Application, Using Highway Vehicles*
- F436-11** Specification for Hardened Steel Washers, **01.08**
- F436M-11** Specification for Hardened Steel Washers (Metric), **01.08**
- F437-09** Specification for Threaded Chlorinated Poly(Vinyl Chloride) (CPVC) Plastic Pipe Fittings, Schedule 80, **08.04**
- F438-09** Specification for Socket-Type Chlorinated Poly(Vinyl Chloride) (CPVC) Plastic Pipe Fittings, Schedule 40, **08.04**
- F439-13** Specification for Chlorinated Poly(Vinyl Chloride) (CPVC) Plastic Pipe Fittings, Schedule 80, **08.04**
- F440 *Not Assigned*

- F441/F441M-13<sup>-1</sup>** Specification for Chlorinated Poly(Vinyl Chloride) (CPVC) Plastic Pipe, Schedules 40 and 80, **08.04**
- F442/F442M-13<sup>-1</sup>** Specification for Chlorinated Poly(Vinyl Chloride) (CPVC) Plastic Pipe (SDR-PR), **08.04**
- F443 Withdrawn 1987; Specification for Bell-End Chlorinated Poly(Vinyl Chloride)(CPVC) Pipe, Schedule 40*
- F444-88(2009)** Consumer Safety Specification for Scald-Preventing Devices and Systems in Bathing Areas, **15.11**
- F445-88(2009)** Consumer Safety Specification for Thermal-Shock-Preventing Devices and Systems in Showering Areas, **15.11**
- F446-85(2009)** Consumer Safety Specification for Grab Bars and Accessories Installed in the Bathing Area, **15.11**
- F447 Withdrawn 1982; Specification for V-Style Blade Plate; Replaced by F787*
- F448-11** Test Method for Measuring Steady-State Primary Photocurrent, **10.04**
- F449-02(2008)** Practice for Subsurface Installation of Corrugated Polyethylene Pipe for Agricultural Drainage or Water Table Control, **08.04**
- F450-13** Test Methods for Vacuum Cleaner Hose—Durability and Reliability (Plastic), **15.08**
- F451-08** Specification for Acrylic Bone Cement, **13.01**
- F452-76(2008)** Specification for Preformed Cranioplasty Plates, **13.01**
- F453 Withdrawn 1994; Specification for Hooked Intramedullary Pins; Replaced by F1264*
- F454 Withdrawn 1994; Specification for Intramedullary Pins; Replaced by F1264*
- F455 Withdrawn 1994; Specification for Solid Cross-Section Intramedullary Nails; Replaced by F1264*
- F456 Withdrawn 1988; Test Method for Pinhole Flex Life of Films by Axial Vibration of a Tubular Sample*
- F457-04(2010)** Test Method for Speed and Distance Calibration of Fifth Wheel Equipped With Either Analog or Digital Instrumentation, **09.02**
- F458-13** Practice for Nondestructive Pull Testing of Wire Bonds, **10.04**
- F459-13** Test Methods for Measuring Pull Strength of Microelectronic Wire Bonds, **10.04**
- F460 Withdrawn 1985; Method for Laboratory Test for Relative Cornering and Aligning Stiffnesses of Passenger Car Tires*
- F461 Not Assigned*
- F462-79(2007)** Consumer Safety Specification for Slip-Resistant Bathing Facilities, **15.11**
- F463 Withdrawn 1995; Test Method for Fat in Meat and Meat Products by Ether Extraction*
- F464 Withdrawn 1995; Test Methods for Fat in Meat and Meat Products by the Foss-Let Fat Analyzer Techniques*
- F465 Withdrawn 1993; Practice for Developing Precision and Accuracy Data on ASTM Method for the Analysis of Meat And Meat Products; Replaced by F691*
- F466 Withdrawn 1997; Test Method for Small-Signal Scattering Parameters of Low-Power Transistors in the 0.2 to 2.0-GHz Frequency Range*
- F467-13** Specification for Nonferrous Nuts for General Use, **01.08**
- F467M-06a(2012)** Specification for Nonferrous Nuts for General Use (Metric), **01.08**
- F468-12** Specification for Nonferrous Bolts, Hex Cap Screws, Socket Head Cap Screws, and Studs for General Use, **01.08**
- F468M-06(2012)** Specification for Nonferrous Bolts, Hex Cap Screws, and Studs for General Use (Metric), **01.08**
- F469 Withdrawn 1987; Practice for Assessment of Compatibility of Nonporous Polymeric Materials for Surgical Implants with Regard to Effect of Materials on Tissue*
- F470-89(2009)** Practice for Caking Temperature of Dry Electrostatic Toner, **15.09**
- F471 Withdrawn 2011; Terminology Relating to Combination Locks*
- F472-11** Terminology for Geometry of Alpine Skis, **15.07**
- F473-09** Specification for Binding Mounting Area Dimensions on Alpine Skis and Bindings, **15.07**
- F474 Withdrawn 2004 Specification for Static Screw-Retention Strength of Binding Mounting Area on Alpine Skis*
- F475 Withdrawn 2004; Specifications for Test Screw Used in Screw-Retention Test of Binding Mounting Area on Alpine Skis*
- F476-14** Test Methods for Security of Swinging Door Assemblies, **15.08**
- F477-10** Specification for Elastomeric Seals (Gaskets) for Joining Plastic Pipe, **08.04**
- F478-09** Specification for In-Service Care of Insulating Line Hose and Covers, **10.03**
- F479-06(2011)** Specification for In-Service Care of Insulating Blankets, **10.03**
- F480-12** Specification for Thermoplastic Well Casing Pipe and Couplings Made in Standard Dimension Ratios (SDR), SCH 40 and SCH 80, **08.04**
- F481-97(2008)** Practice for Installation of Thermoplastic Pipe and Corrugated Pipe in Septic Tank Leach Fields, **08.04**
- F482-09** Practice for Corrosion of Aircraft Metals by Total Immersion in Maintenance Chemicals, **15.03**
- F483-09** Practice for Total Immersion Corrosion Test for Aircraft Maintenance Chemicals, **15.03**
- F484-08(2013)** Test Method for Stress Cracking of Acrylic Plastics in Contact with Liquid or Semi-Liquid Compounds, **15.03**
- F485-08(2013)** Practice for Effects of Cleaners on Unpainted Aircraft Surfaces, **15.03**
- F486-01(2011)** Practice for Preparation of Use and Care Booklets for Vacuum Cleaners, **15.08**
- F487-13** Specification for Fine Aluminum-1 % Silicon Wire for Semiconductor Lead-Bonding, **10.04**
- F488 Withdrawn 2004; Test Method for On-Site Screening of Heterotrophic Bacteria in Water*
- F489 Withdrawn 2005; Test Method for Using a James Machine*
- F490 Withdrawn 1992; Method for Microscopical Sizing and Counting Particles on Membrane Filters Using Image Shear*
- F491 Withdrawn 2002; Specification for Poly(Vinylidene Fluoride) (PVDF) Plastic-Lined Ferrous Metal Pipe and Fittings*
- F492 Withdrawn 2004; Specification for Propylene and Polypropylene (PP) Plastic-Lined Ferrous Metal Pipe and Fittings*
- F493-10** Specification for Solvent Cements for Chlorinated Poly(Vinyl Chloride) (CPVC) Plastic Pipe and Fittings, **08.04**
- F494-05(2011)** Test Methods for Evaluating Primary Disposable Bag Integrity for Vacuum Cleaners, **15.08**
- F495-99a(2011)** Test Method for Weight Loss of Gasket Materials Upon Exposure to Elevated Temperatures, **09.02**
- F496-08** Specification for In-Service Care of Insulating Gloves and Sleeves, **10.03**
- F497-00(2009)** Practice for Use of the Electric and Electronic Typewriter as a Test Instrument, **15.09**
- F498-12** Test Method for Center Spring Constant and Spring Constant Balance of Alpine Skis, **15.07**
- F499 Withdrawn 1992; Practice for Installation of Wood Underlayment and Preparation of the Surface to Receive Resilient Flooring*
- F500 Withdrawn 1993; Specification for Self-Curing Acrylic Resins Used in Neurosurgery*
- F501 Withdrawn 1998; Test Method for Aerospace Materials Response to Flame, With Vertical Test Specimen (for Aerospace Vehicles Standard Conditions)*
- F502-08(2013)** Test Method for Effects of Cleaning and Chemical Maintenance Materials on Painted Aircraft Surfaces, **15.03**
- F503 Withdrawn 1988; Recommended Practice for Preparing Aircraft Cleaning Compounds, Liquid-Pipe, for Storage Stability Testing; Replaced by F1104, F1105*
- F504-05(2012)** Test Method for Measuring the Quasi-Static Release Moments of Alpine Ski Bindings, **15.07**
- F505-87(2011)** Practice for Comparative Evaluation of Imaging Properties of Liquid Electrostatic Toners, **15.09**
- F506 Withdrawn 2002; Practice for Assessing the Quality of Direct-Image Paper Offset Masters*
- F507 Withdrawn 1994; Practice for Mounting Wedged Beamsplitters to Maintain a Laser Beam Parallel to a Reference Surface*
- F508 Withdrawn 2008; Practice for Specifying Thick-Film Pastes*
- F509-86(2009)** Practice for Testing One-Time Carbonizing Tissue for Pinholes, **15.09**
- F510/F510M-14** Test Method for Resistance to Abrasion of Resilient Floor Coverings Using an Abrader with a Grit Feed Method, **15.04**
- F511-11** Test Method for Quality of Cut (Joint Tightness) of Resilient Floor Tile, **15.04**
- F512-12** Specification for Smooth-Wall Poly(Vinyl Chloride) (PVC) Conduit and Fittings for Underground Installation, **08.04**
- F513-12** Specification for Eye and Face Protective Equipment for Hockey Players, **15.07**
- F514 Not Assigned*
- F515 Withdrawn 1984; Specification for Polished Monocrystalline Silicon Slices*
- F516 Withdrawn 1988; Method for Laboratory Test for Force and Moment Properties of Passenger Car Tires*
- F517 Withdrawn 1994; Practice for Aligning a Visible Beam from a Continuous-Wave Laser at a Desired Distance from a Reference Surface*
- F518 Withdrawn 1996; Practice for Determining Effective Adhesion of Photoresist to Hard-Surface Photomask Blanks and Semiconductor Wafers During Etching*
- F519-13** Test Method for Mechanical Hydrogen Embrittlement Evaluation of Plating/Coating Processes and Service Environments, **15.03**
- F520-10** Test Method for Environmental Resistance of Aerospace Transparencies to Artificially Induced Exposures, **15.03**
- F521-83(2010)** Test Methods for Bond Integrity of Transparent Laminates, **15.03**
- F522 Withdrawn 1998; Test Method for Stacking Fault Density of Epitaxial Layers of Silicon by Interference-Contrast Microscopy; Replaced by F1810*
- F523 Withdrawn 2003; Practice for Unaided Visual Inspection of Polished Silicon Wafer Surfaces*
- F524 Withdrawn 2001; Tentative Test Methods for Measuring Beam Divergence of Pulsed Lasers by the Apertured-Detector Technique*
- F525 Withdrawn 2003; Test Method for Measuring Resistivity of Silicon Wafers Using a Spreading Resistance Probe*
- F526-11** Test Method for Using Calorimeters for Total Dose Measurements in Pulsed Linear Accelerator or Flash X-ray Machines, **12.02**
- F527 Withdrawn 1996; Practice for Adjusting Photoresist Exposure Time*
- F528 Withdrawn 2011; Test Method of Measurement of Common-Emitter DC Current Gain of Junction Transistors*
- F529 Withdrawn 1994; Test Method for Interpretation of Interferograms of Nominally Plane Wavefronts*
- F530 Withdrawn 1994; Test Method for Wavefront Distortion of Laser Rods*
- F531 Withdrawn 1994; Test Methods for Wavefront Distortion and Face Parallelism of Laser Disks*
- F532 Withdrawn 1994; Test Methods for Measuring Width of Defects in Optical Surfaces, Using Nomarski Differential Microscopy*
- F533 Withdrawn 2003; Test Method for Thickness and Thickness Variation of Silicon Wafers*

F534 *Withdrawn 2003; Test Method for Bow of Silicon Slices*  
 F535 *Withdrawn 1985; Specification for Electrical Performance Characteristics of Vacuum Cleaners*  
 F536 *Withdrawn 2004; Test Method for Size of Resilient Floor Tile by Dial Gage Method*  
**F537-01(2007)** Specification for Design, Fabrication, and Installation of Fences Constructed of Wood and Related Materials, **01.06**  
**F538-13** Terminology Relating to the Characteristics and Performance of Tires, **09.02**  
**F539-01(2011)** Practice for Fitting Athletic Footwear, **15.07**  
 F540 *Withdrawn 2004; Test Method for Squareness of Resilient Floor Tile by Gage Method*  
**F541-12** Specification for Alloy Steel Eyebolts, **01.08**  
 F542 *Withdrawn 2013; Test Method for Exothermic Temperature of Encapsulating Compounds for Electronic and Microelectronic Encapsulation*  
**F543-13<sup>1</sup>** Specification and Test Methods for Metallic Medical Bone Screws, **13.01**  
 F544 *Withdrawn 1998; Reference Chart for Pictorial Cortical Bone Screw Classification*  
 F545 *Withdrawn 2001; Specification for PVC and ABS Injected Solvent Cemented Plastic Pipe Joints*  
 F546 *Withdrawn 2002; Specification for Perfluoro (Ethylene-Propylene) Copolymer (FEP) Plastic-Lined Ferrous Metal Pipe and Fittings*  
**F547-06(2012)** Terminology of Nails for Use with Wood and Wood-Base Materials, **01.08**  
**F548-09** Test Method for Intensity of Scratches on Aerospace Transparent Plastics, **15.03**  
**F549-85(2011)** Terminology Relating to Carbonless Copy Products, **15.09**  
 F550 *Withdrawn 2002; Test Method for Lithographic Properties of Imaging Materials*  
 F551 *Withdrawn 2009; Practice for Using a 67.23-in. (1.707-m) Diameter Laboratory Test Roadwheel in Testing Tires*  
**F551/F551M-09a** Practice for Using a 1.707-m 67.23-in. Diameter Laboratory Test Roadwheel in Testing Tires, **09.02**  
**F552-02(2013)** Terminology Relating to Chain Link Fencing, **01.06**  
 F553 *Withdrawn 1998; Test Method for Carbon Paper and Carbon Film Durability*  
 F554 *Withdrawn 1988; Test Method for Wet Cornering Traction of Tires Using Over-the-Road Tire Tester*  
**F555-01(2011)** Test Method for Motor Life Evaluation of an Upright Vacuum Cleaner, **15.08**  
**F556-88(2011)** Test Method for Curl of Carbonless Copy Papers, **15.09**  
 F557 *Withdrawn 1986; Test Method for Relative Work for Straight-Line Movement of Cleaners While Cleaning Carpets*  
**F558-13** Test Method for Measuring Air Performance Characteristics of Vacuum Cleaners, **15.08**  
**F559-05(2010)** Test Method for Measuring Length of Road Test Courses Using a Fifth Wheel, **09.02**  
**F560-13<sup>1</sup>** Specification for Unalloyed Tantalum for Surgical Implant Applications (UNS R05200, UNS R05400), **13.01**  
**F561-13** Practice for Retrieval and Analysis of Medical Devices, and Associated Tissues and Fluids, **13.01**  
**F562-13** Specification for Wrought 35Cobalt-35Nickel-20Chromium-10Molybdenum Alloy for Surgical Implant Applications (UNS R30035), **13.01**  
 F563 *Withdrawn 2005; Specification for Wrought Cobalt -20Nickel-3.5 Molybdenum-3.5Tungsten-5Iron Alloy for Surgical Implant Applications (UNS R30563)*  
**F564-10** Specification and Test Methods for Metallic Bone Staples, **13.01**  
**F565-04(2013)** Practice for Care and Handling of Orthopedic Implants and Instruments, **13.01**  
 F566 *Not Assigned*  
**F567-11a** Practice for Installation of Chain-Link Fence, **01.06**  
 F568M *Withdrawn 2012; Specification for Carbon and Alloy Steel Externally Threaded Metric Fasteners*  
 F569 *Withdrawn 1989; Test Method for Filterability Index of Reagent-Grade Water and High-Purity Waters for Microelectronic Device Processing*  
 F570 *Withdrawn 1995; Test Methods for Transistor Collector-Emitter Saturation Voltage*  
**F571-87(2008)** Practice for Installation of Exit Devices in Security Areas, **15.08**  
 F572 *Withdrawn 2001; Practice for Application of Film Security Cameras in Financial Institutions*  
 F573 *Withdrawn 1993; Specification for Residential Zinc-Coated Steel Chain-Link Fence Fabric*  
 F574 *Withdrawn 1996; Test Method for Evaluation of Polysilicon; Replaced by F1723*  
 F575 *Withdrawn 1982; Classification for Particle Concentration in Liquids*  
 F576 *Withdrawn 2003; Test Method for Measurement of Insulator Thickness and Refractive Index on Silicon Substrates by Ellipsometry*  
**F577-03(2009)** Test Method for Particle Size Measurement of Dry Toners, **15.09**  
 F578 *Withdrawn 1994; Test Method for Lasing Threshold and Slope Efficiency of Neodymium-Doped Laser Rods*  
 F579 *Withdrawn 1994; Test Method for Face Flatness By Optical Non-Contact Technique*  
 F580 *Withdrawn 1996; Test Method for Adhesion Strength of Bondable Films to Substrates in Ribbon-Wire Bonds*  
 F581 *Withdrawn 1996; Practice for Accelerated Aging of Photoresist*

F582 *Withdrawn 1996; Practice for Preparation of Photoresist for Analysis of Inorganic Contaminants*  
 F583 *Withdrawn 1996; Test Method for Photoresist Cleanliness—Filterability*  
**F584-06<sup>1</sup>** Practice for Visual Inspection of Semiconductor Lead-Bonding Wire, **10.04**  
**F585-13** Guide for Insertion of Flexible Polyethylene Pipe Into Existing Sewers, **08.04**  
 F586 *Withdrawn 1998; Test Method for Leak Rates Versus  $\gamma$  Stresses and  $m$  Factors for Gaskets*  
 F587 *Withdrawn 1995; Practice for Sampling Ground Meat in Blenders*  
**F588-14** Test Methods for Measuring the Forced Entry Resistance of Window Assemblies, Excluding Glazing Impact, **04.12**  
**F589-12** Consumer Safety Specification for Non-Powder Guns, **15.11**  
**F590-12** Consumer Safety Specification for Non-Powder Gun Projectiles and Propellants, **15.11**  
 F591 *Withdrawn 1989; Practice for Using the Computer Impact Print-Out Unit as a Test Instrument*  
**F592-84(2012)** Terminology of Collated and Cohered Fasteners and Their Application Tools, **01.08**  
**F593-13** Specification for Stainless Steel Bolts, Hex Cap Screws, and Studs, **01.08**  
**F594-09<sup>1</sup>** Specification for Stainless Steel Nuts, **01.08**  
 F595 *Withdrawn 2011; Test Methods for Vacuum Cleaner Hose—Durability and Reliability (All-Plastic Hose)*  
**F596-09** Practice for Comparative Evaluation of the Imaging Properties of Dry Electrostatic Toners, **15.09**  
**F597-83(2008)** Practice for Evaluation of One-Time Carbon Paper in Carbon-Interleaved Business Forms by Use of an Electric Typewriter, **15.09**  
**F598-00(2009)** Practice for Determining the Resistance of Carbonless Papers to Capsular Damage, **15.09**  
 F599 *Specification for Withdrawn 2004; Specification for Poly(Vinylidene Chloride) (PVDC) Plastic-Lined Ferrous Metal Pipe and Fittings*  
 F600 *Withdrawn 1991; Practice for Nondestructive Testing Ultrasonic Evaluation of Socket and Butt Joints of Thermoplastic Piping*  
**F601-13** Practice for Fluorescent Penetrant Inspection of Metallic Surgical Implants, **13.01**  
**F602-09** Criteria for Implantable ThermoSet Epoxy Plastics, **13.01**  
**F603-12** Specification for High-Purity Dense Aluminum Oxide for Medical Application, **13.01**  
 F604 *Withdrawn 2001; Specification for Silicone Elastomers Used in Medical Applications*  
**F605-88(2011)** Practice for Determining Compatibility of One-Time Carbon Paper with Carbonless Copy Papers When Interleaved into the Same Manifold Set, **15.09**  
**F606-11a** Test Methods for Determining the Mechanical Properties of Externally and Internally Threaded Fasteners, Washers, Direct Tension Indicators, and Rivets, **01.08**  
**F606M-13** Test Methods for Determining the Mechanical Properties of Externally and Internally Threaded Fasteners, Washers, and Rivets (Metric), **01.08**  
**F607-03(2008)** Test Method for Adhesion of Gasket Materials to Metal Surfaces, **09.02**  
**F608-13** Test Method for Evaluation of Carpet Embedded Dirt Removal Effectiveness of Household/Commercial Vacuum Cleaners, **15.08**  
**F609-05(2013)** Test Method for Using a Horizontal Pull Slipmeter (HPS), **15.07**  
**F610/F610M-10** Test Method for Evaluating the Quality of Molded Poly(Vinyl Chloride) (PVC) Plastic Pipe Fittings by the Heat Reversion Technique, **08.04**  
 F611 *Withdrawn 1994; Test Method for Wavefront Distortion of Nominally Plane Optical Elements Due to Refractive Index Inhomogeneity*  
 F612 *Withdrawn 1993; Practice for Cleaning Surfaces of Polished Silicon Slices*  
 F613 *Withdrawn 2001; Test Method for Measuring Diameter of Semiconductor Wafers*  
 F614 *Withdrawn 1996; Test Method for Distortion of Optical Lenses Used in Photomask Fabrication*  
 F615 *Withdrawn 1995; Replaced by F615M*  
**F615M-95(2013)** Practice for Determining Safe Current Pulse-Operating Regions for Metallization on Semiconductor Components (Metric), **10.04**  
 F616M *Withdrawn 2009; Test Method for Measuring MOSFET Drain Leakage Current [Metric]*  
 F617 *Withdrawn 2006; Test Method for Measuring MOSFET Linear Threshold Voltage*  
 F618 *Withdrawn 1985; Method for Measuring MOSFET Saturated Threshold Voltage*  
**F619-14** Practice for Extraction of Medical Plastics, **13.01**  
**F620-11** Specification for Titanium Alloy Forgings for Surgical Implants in the Alpha Plus Beta Condition, **13.01**  
**F621-12** Specification for Stainless Steel Forgings for Surgical Implants, **13.01**  
 F622 *Withdrawn 2011; Specification for Preformed Cranioplasty Plates That Can Be Altered*  
**F623-99(2013)** Performance Specification for Foley Catheter, **13.01**  
**F624-09** Guide for Evaluation of Thermoplastic Polyurethane Solids and Solutions for Biomedical Applications, **13.01**  
**F625/F625M-94(2011)<sup>2</sup>** Practice for Classifying Water Bodies for Spill Control Systems, **11.05**  
**F626-08(2013)** Specification for Fence Fittings, **01.06**  
**F627-99(2008)** Practice for Testing Flake of Single-Strike Film Typewriter Ribbons, **15.09**

- F628-12<sup>-1</sup>** Specification for Acrylonitrile-Butadiene-Styrene (ABS) Schedule 40 Plastic Drain, Waste, and Vent Pipe With a Cellular Core, **08.04**
- F629-11** Practice for Radiography of Cast Metallic Surgical Implants, **13.01**
- F630** *Withdrawn 1988; Specification for Safety Consideration for Household Vacuum Cleaners*
- F631-99(2008)** Guide for Collecting Skimmer Performance Data in Controlled Environments, **11.05**
- F632** *Withdrawn 1995; Test Method for Measuring Small-Signal Common Emitter Current Gain of Transistors at High Frequencies*
- F633** *Withdrawn 1988; Practice for Use of the High-Speed Printer as a Test Instrument for Carbon Paper; Replaced by F1175*
- F634** *Withdrawn 1986; Practice for Measurement of the Coating Transfer Resistance of Mechanical Carbonless CB Paper*
- F635** *Withdrawn 1996; Guide for Selection of Tests for Material Properties of Liquid Thermoset Encapsulating Compounds for Electronic and Microelectronic Encapsulation*
- F636** *Withdrawn 1996; Guide for Selection of Tests for Material Properties of Transfer Molding Compounds for Electronic and Microelectronic Encapsulation*
- F637** *Withdrawn 2006; Specification for Format, Physical Properties, and Test Methods for 19 and 35 mm Testable Tape Carrier for Perimeter Tape Carrier-Bonded Semiconductor Devices*
- F638** *Withdrawn 2006; Specification for Fine Aluminum—1 % Magnesium Wire for Semiconductor Lead-Bonding*
- F639-09** Specification for Polyethylene Plastics for Medical Applications, **13.01**
- F640-12** Test Methods for Determining Radiopacity for Medical Use, **13.01**
- F641-09** Specification for Implantable Epoxy Electronic Encapsulants, **13.01**
- F642** *Withdrawn 1995; Specification for Stainless Steel Flexible Wire for Surgical Fixations for Soft Tissue*
- F643** *Withdrawn 1993; Specification for Wrought Cobalt-Chromium Alloy Flexible Wire for Surgical Fixations for Soft Tissue; Replaced by F1091*
- F644** *Withdrawn 1993; Specification for Wrought Cobalt-Chromium Alloy Flexible Wire for Surgical Fixations for Bone; Replaced by F1091*
- F645-13** Guide for Selection, Design, and Installation of Thermoplastic Water-Pressure Piping Systems, **08.04**
- F646** *Not Assigned*
- F647-94(2006)** Practice for Evaluating and Specifying Implantable Shunt Assemblies for Neurosurgical Application, **13.01**
- F648-14** Specification for Ultra-High-Molecular-Weight Polyethylene Powder and Fabricated Form for Surgical Implants, **13.01**
- F649** *Withdrawn 2007; Practice for Secondary Calibration of Airborne Particle Counter Using Comparison Procedures*
- F650** *Withdrawn 1990; Practice for Determining Relative Bias of Two Particle Counters Using Comparison Procedures*
- F651** *Withdrawn 1988; Method for Particle Counter Single-Point Calibration by the Median Method*
- F652** *Withdrawn 1992; Methods for Measuring Mica Stampings or Substitutes Used in Electron Devices and Lamps*
- F653** *Withdrawn 2002; Test Method for Evaluation of Electrostatic Masters*
- F654-07(2012)** Specification for Residential Chain Link Fence Gates, **01.06**
- F655-13** Specification for Test Carpets and Pads for Vacuum Cleaner Testing, **15.08**
- F656-10** Specification for Primers for Use in Solvent Cement Joints of Poly(Vinyl Chloride) (PVC) Plastic Pipe and Fittings, **08.04**
- F657** *Withdrawn 2003; Test Method for Measuring Warp and Total Thickness Variation on Silicon Wafers by Noncontact Scanning*
- F658** *Withdrawn 2007; Practice for Calibration of a Liquid-Borne Particle Counter Using an Optical System Based Upon Light Extinction*
- F659-10** Specification for Ski and Snowboard Goggles, **15.07**
- F660-83(2013)** Practice for Comparing Particle Size in the Use of Alternative Types of Particle Counters, **11.01**
- F661** *Withdrawn 2000; Practice for Particle Count and Size Distribution Measurement in Batch Samples for Filter Evaluation Using an Optical Particle Counter*
- F662** *Withdrawn 2002; Test Method for Measurement of Particle Count and Size Distribution in Batch Samples for Filter Evaluation Using an Electrical Resistance Particle Counter*
- F663** *Withdrawn 1994; Practice for Manual Analysis of Interferometric Data by Least-Squares Fitting to a Plane Reference Surface*
- F664** *Withdrawn 1994; Practice for Manual Analysis of Interferometric Data by Least-Squares Fitting Spherical Reference Surface & Computer-Aided Analysis by Least-Squares Fitting to Both Plane/Spherical Reference Surfaces*
- F665-09** Classification for Vinyl Chloride Plastics Used in Biomedical Application, **13.01**
- F666** *Withdrawn 1993; Specification for Stainless Steel Flexible Wire for Surgical Fixation for Bone; Replaced by F1350*
- F667-12** Specification for 3 through 24 in. Corrugated Polyethylene Pipe and Fittings, **08.04**
- F668-11** Specification for Polyvinyl Chloride (PVC), Polyolefin and Other Polymer-Coated Steel Chain Link Fence Fabric, **01.06**
- F669** *Withdrawn 1995; Specification for Strength Requirements of Metal Posts and Rails for Industrial Chain Link Fence; Replaced by F1043*
- F670-02(2012)** Specification for Tanks, 5 and 10-Gal (20 and 40-L) Lube Oil Dispensing, **01.07**
- F671** *Withdrawn 2003; Test Method for Measuring Flat Length on Wafers of Silicon and Other Electronic Materials*
- F672** *Withdrawn 2003; Test Method for Measuring Resistivity Profiles Perpendicular to the Surface of a Silicon Wafer Using a Spreading Resistance Probe*

- F673** *Withdrawn 2003; Test Methods for Measuring Resistivity of Semiconductor Slices or Sheet Resistance of Semiconductor Films with a Noncontact Eddy-Current Gage*
- F674** *Withdrawn 2003; Practice for Preparing Silicon for Spreading Resistance Measurements*
- F675** *Withdrawn 1995; Test Method for Measuring Nonequilibrium Transient Photocurrents in p-n Junctions*
- F676** *Withdrawn 2009; Test Method for Measuring Unsaturated TTL Sink Current*
- F677** *Withdrawn 2013; Test Method for Fluid and Grease Resistance of Thermoset Encapsulating Compounds Used in Electronic and Microelectronic Applications*
- F678** *Withdrawn 1989; Specification for Polyethylene Gas Pressure Pipe Tubing and Fittings; Replaced by D2513*
- F679-13** Specification for Poly(Vinyl Chloride) (PVC) Large-Diameter Plastic Gravity Sewer Pipe and Fittings, **08.04**
- F680-80(2012)** Test Methods for Nails, **01.08**
- F681-82(2008)** Practice for Use of Branch Connections, **01.07**
- F682-82a(2008)** Specification for Wrought Carbon Steel Sleeve-Type Pipe Couplings, **01.07**
- F683-10** Practice for Selection and Application of Thermal Insulation for Piping and Machinery, **01.07**
- F684** *Not Assigned*
- F685-96(2011)** Practice for Determining Toner Usage, Efficiency, and Dusting Nonheat Fixing Copiers Using Single-Component Toner Systems, **15.09**
- F686-94(2011)** Practice for Evaluation of Image Quality Produced by Carbonless Copy Paper with an Electric or Electronic Typewriter, **15.09**
- F687** *Withdrawn 1988; Practice for On-Site Calibration of Liquid-Borne Automatic Particle Counters With Adjustable Individual Size Thresholds*
- F688-10** Specification for Wrought Cobalt-35Nickel-20Chromium-10Molybdenum Alloy Plate, Sheet, and Foil for Surgical Implants (UNS R30035), **13.01**
- F689-97(2011)** Practice for Determination of the Temperature of Above-Ground Plastic Gas Pressure Pipe Within Metallic Casings, **08.04**
- F690** *Withdrawn 2012; Practice for Underground Installation of Thermoplastic Pressure Piping Irrigation Systems*
- F691** *Withdrawn 1996; Practice for Preparing Photoplates for Measuring Flatness Deviation*
- F692** *Withdrawn 2008; Test Method for Measuring Adhesion Strength of Solderable Films to Substrates*
- F693-01(2012)** Practice for Sealing Seams of Resilient Sheet Flooring Products by Use of Liquid Seam Sealers, **15.04**
- F694** *Withdrawn 2008; Test Method for Heel-Attaching Strength of Women's Shoes; Replaced by F2232*
- F695-01(2009)** Practice for Ranking of Test Data Obtained for Measurement of Slip Resistance of Footwear Sole, Heel, and Related Materials, **15.07**
- F696-06(2011)** Specification for Leather Protectors for Rubber Insulating Gloves and Mittens, **10.03**
- F697-00(2006)** Practice for Care and Use of Athletic Mouth Protectors, **15.07**
- F698** *Withdrawn 2009; Specification for Physical Information to be Provided for Amusement Rides and Devices*
- F699** *Withdrawn 2005; Practice for Accelerated Conditioning of Polybutylene Pipe and Tubing for Subsequent Quality Control Testing*
- F700-93(2008)** Practice for Care and Handling of Intracranial Aneurysm Clips and Instruments, **13.01**
- F701-81(2008)** Practice for Care and Handling of Neurosurgical Implants and Instruments, **13.01**
- F702-10** Specification for Polysulfone Resin for Medical Applications, **13.01**
- F703-07** Specification for Implantable Breast Prostheses, **13.01**
- F704-81(2009)** Practice for Selecting Bolting Lengths for Piping System Flanged Joints, **01.07**
- F705** *Not Assigned*
- F706-96(2011)** Practice for Determination of Fusion Temperature of Dry Electrostatic Heat-Fixing Toners, **15.09**
- F707/F707M-94(2011)** Specification for Modular Gauge Boards, **01.07**
- F708-92(2008)** Practice for Design and Installation of Rigid Pipe Hangers, **01.07**
- F709** *Withdrawn 1993; Specification for Gasket—Asbestos Metallic Cloth Material*
- F710-11** Practice for Preparing Concrete Floors to Receive Resilient Flooring, **15.04**
- F711-02(2013)** Specification for Fiberglass-Reinforced Plastic (FRP) Rod and Tube Used in Live Line Tools, **10.03**
- F712-06(2011)** Test Methods and Specifications for Electrically Insulating Plastic Guard Equipment for Protection of Workers, **10.03**
- F713** *Not Assigned*
- F714-13** Specification for Polyethylene (PE) Plastic Pipe (DR-PR) Based on Outside Diameter, **08.04**
- F715-07(2012)** Test Methods for Coated Fabrics Used for Oil Spill Control and Storage, **11.05**
- F716-09** Test Methods for Sorbent Performance of Absorbents, **11.05**
- F717-10** Specification for Football Helmets, **15.07**
- F718-07(2011)<sup>e1</sup>** Specification for Shipbuilders and Marine Paints and Coatings Product/Procedure Data Sheet, **01.07**
- F719-81(2012)** Practice for Testing Biomaterials in Rabbits for Primary Skin Irritation, **13.01**
- F720-13** Practice for Testing Guinea Pigs for Contact Allergens: Guinea Pig Maximization Test, **13.01**
- F721-81(2008)** Specification for Gage Piping Assemblies, **01.07**

**F722-82(2008)** Specification for Welded Joints for Shipboard Piping Systems, **01.07**  
**F723** *Withdrawn 2003; Practice for Conversion Between Resistivity and Dopant Density for Boron-Doped, Phosphorus-Doped, and Arsenic-Doped Silicon*  
**F724-94a(2010)<sup>c1</sup>** Test Method for Outdoor Evaluation of Tire Sidewall Component Cracking Resistance, **09.02**  
**F725-03(2013)** Practice for Drafting Impact Test Requirements In Thermoplastic Pipe And Fittings Standards, **08.04**  
**F726-12** Test Method for Sorbent Performance of Adsorbents, **11.05**  
**F727** *Withdrawn 1996; Test Method for Measuring Transmittance of See-Through Photoplate*  
**F728** *Withdrawn 2003; Practice for Preparing an Optical Microscope for Dimensional Measurements*  
**F729** *Withdrawn 1992; Test Methods for Temperature Coefficient of Resistance of Film Resistors*  
**F730** *Withdrawn 1993; Test Methods for Hermeticity of Electron Devices by a Weight-Gain Test*  
**F731** *Not Assigned*  
**F732-00(2011)** Test Method for Wear Testing of Polymeric Materials Used in Total Joint Prostheses, **13.01**  
**F733-09** Practice for Optical Distortion and Deviation of Transparent Parts Using the Double-Exposure Method, **15.03**  
**F734-95(2011)** Test Method for Shear Strength of Fusion Bonded Polycarbonate Aerospace Glazing Material, **15.03**  
**F735-11** Test Method for Abrasion Resistance of Transparent Plastics and Coatings Using the Oscillating Sand Method, **15.03**  
**F736-95(2011)** Test Method for Impact Resistance of Monolithic Polycarbonate Sheet by Means of a Falling Weight, **15.03**  
**F737** *Withdrawn 2002; Performance Specification for Ice Hockey Skate Blades*  
**F738M-02(2008)** Specification for Stainless Steel Metric Bolts, Screws, and Studs, **01.08**  
**F739-12** Test Method for Permeation of Liquids and Gases through Protective Clothing Materials under Conditions of Continuous Contact, **11.03**  
**F740** *Withdrawn 2002; Definition of Terms Relating to Filtration*  
**F741** *Withdrawn 1994; Test Method for Determining the Crystallographic Axes and Contrast Ratio of a Pockels Cell Electro-Optic Crystal Operating in the Longitudinal Mode*  
**F742** *Withdrawn 1994; Practice for Evaluating an Interferometer*  
**F743** *Withdrawn 1995; Test Method for Measuring Contrast Ratio of a Pair of Linear Polarizers for Visible Radiation*  
**F744M-10** Test Method for Measuring Dose Rate Threshold for Upset of Digital Integrated Circuits (Metric), **10.04**  
**F745** *Withdrawn 2012; Specification for 18Chromium-12.5Nickel-2.5Molybdenum Stainless Steel for Cast and Solution-Annealed Surgical Implant Applications*  
**F746-04(2009)<sup>c1</sup>** Test Method for Pitting or Crevice Corrosion of Metallic Surgical Implant Materials, **13.01**  
**F747-06** Terminology Relating to Amusement Rides and Devices, **15.07**  
**F748-06(2010)** Practice for Selecting Generic Biological Test Methods for Materials and Devices, **13.01**  
**F749-13** Practice for Evaluating Material Extracts by Intracutaneous Injection in the Rabbit, **13.01**  
**F750-87(2012)** Practice for Evaluating Material Extracts by Systemic Injection in the Mouse, **13.01**  
**F751** *Withdrawn 2003; Test Method for Measuring Particle Size of Wide-Size Range Dry Toners*  
**F752** *Withdrawn 1994; Test Method for Effective Series Resistance (ESR) and Capacitance of Multilayer Ceramic Capacitors at High Frequencies*  
**F753** *Withdrawn 1998; Classification of Brassieres*  
**F754-08** Specification for Implantable Polytetrafluoroethylene (PTFE) Sheet, Tube, and Rod Shapes Fabricated from Granular Molding Powders, **13.01**  
**F755-99(2011)** Specification for Selection of Porous Polyethylene for Use in Surgical Implants, **13.01**  
**F756-13** Practice for Assessment of Hemolytic Properties of Materials, **13.01**  
**F757** *Withdrawn 2006; Test Method for Determining Energy Consumption of Copier and Copier-Duplicating Equipment; Replaced by F2495*  
**F758-95(2007)<sup>c1</sup>** Specification for Smooth-Wall Poly(Vinyl Chloride) (PVC) Plastic Underdrain Systems for Highway, Airport, and Similar Drainage, **08.04**  
**F759** *Withdrawn 1995; Specification for Hot Chocolate Beverage Dispensers*  
**F760-93(2012)** Specification for Food Service Equipment Manuals, **15.12**  
**F761** *Withdrawn 2003; Specification for Strength Requirements of Tubular Steel Posts and Rails for Residential Chain-Link Fence*  
**F762/F762M-08** Test Method for Determining Change in Groove (or Void) Depth With Distance Traveled for Passenger Car Tires, **09.02**  
**F763-04(2010)** Practice for Short-Term Screening of Implant Materials, **13.01**  
**F764** *Withdrawn 2003; Practice for Compatibility of Materials with High-Energy Propellants (Impact Sensitivity Threshold Technique)*  
**F765-93(2012)<sup>c1</sup>** Specification for Wildcats, Ship Anchor Chain, **01.07**  
**F766/F766M-82(2010)<sup>c1</sup>** Test Method for Melting Point of Waxes, **15.09**  
**F767-98(2013)** Test Method for Image Stability of Chemical Carbonless Paper to Light, **15.09**  
**F768** *Withdrawn 1994; Test Method for Specular Reflectance and Transmittance Measurements of Optically Flat-Coated and Non-Coated Specimens*  
**F769** *Withdrawn 2006; Test Method for Measuring Transistor and Diode Leakage Currents*  
**F770-14** Practice for Ownership, Operation, Maintenance, and Inspection of Amusement Rides and Devices, **15.07**  
**F771-99(2005)** Specification for Polyethylene (PE) Thermoplastic High-

Pressure Irrigation Pipeline Systems, **08.04**  
**F772** *Withdrawn 1996; Test Method for Noise Quality of Film-Type Resistors*  
**F773M-10** Practice for Measuring Dose Rate Response of Linear Integrated Circuits (Metric), **10.04**  
**F774** *Withdrawn 1989; Guide for Analysis of Latchup Susceptibility in Bipolar Integrated Circuits*  
**F775** *Withdrawn 1991; Test Method for Wafer and Slice Flatness by Interferometric, Noncontact Technique*  
**F776** *Withdrawn 1996; Test Method for Resistance of Materials to Horizontal Flame Propagation (for Aerospace Vehicles, Standard Conditions)*  
**F777** *Withdrawn 1997; Test Method for Resistance of Electrical Wire Insulation Materials to Flame at 60°; Replaced by D3032*  
**F778-88(2014)** Methods for Gas Flow Resistance Testing of Filtration Media, **11.07**  
**F779-12** Test Method for Torsion Characteristic of Alpine Skis, **15.07**  
**F780-93a(2012)** Test Method for Linear Deformation and Breaking Strength of Alpine Skis, **15.07**  
**F781** *Withdrawn 2004; Specification for Perfluoro (Alkoxyalkane) Copolymer (PFA) Plastic-Lined Ferrous Metal Pipe and Fittings*  
**F782-01(2012)** Specification for Doors, Furniture, Marine, **01.07**  
**F783-88(2013)** Specification for Staple, Handgrab, Handle, and Stirrup Rung, **01.07**  
**F784** *Withdrawn 1996; Test Method for Calibrating Radioisotope Hermetic Test Apparatus*  
**F785** *Withdrawn 1996; Test Method for Hermeticity of Sealed Devices by a Radioisotope Test*  
**F786** *Withdrawn 1998; Specification for Metallic Bone Plates; Replaced by F382*  
**F787** *Withdrawn 1998; Specification for Metallic Nail-Plate Appliances*  
**F788-13** Specification for Surface Discontinuities of Bolts, Screws, and Studs, Inch and Metric Series, **01.08**  
**F789** *Withdrawn 2004; Specification for Type PS-46 and Type PS-115 Poly(Vinyl Chloride) (PVC) Plastic Gravity Flow Sewer Pipe and Fittings*  
**F790-08(2013)** Guide for Testing Materials for Aerospace Plastic Transparent Enclosures, **15.03**  
**F791-96(2013)** Test Method for Stress Cracking of Transparent Plastics, **15.03**  
**F792-08** Practice for Evaluating the Imaging Performance of Security X-Ray Systems, **15.08**  
**F793-10a** Classification of Wall Covering by Use Characteristics, **15.11**  
**F794-03(2009)** Specification for Poly(Vinyl Chloride) (PVC) Profile Gravity Sewer Pipe and Fittings Based on Controlled Inside Diameter, **08.04**  
**F795** *Withdrawn 2002; Practice for Determining the Performance of a Filter Medium Employing a Single-Pass, Constant-Rate, Liquid Test*  
**F796** *Withdrawn 2002; Practice for Determining the Performance of a Filter Medium Employing a Single-Pass, Constant-Pressure, Liquid Test*  
**F797** *Withdrawn 2002; Practice for Determining the Performance of a Filter Medium Employing a Multipass, Constant-Rate, Liquid Test*  
**F798** *Withdrawn 2008; Practice for Determining Gettering Rate, Sorption Capacity, and Gas Content of Nonevaporable Getters in the Molecular Flow Region*  
**F799-11** Specification for Cobalt-28Chromium-6Molybdenum Alloy Forgings for Surgical Implants (UNS R31537, R31538, R31539), **13.01**  
**F800** *Withdrawn 1992; Specification for Corrugated Poly(Vinyl Chloride) Tubing and Compatible Fittings*  
**F801-96(2008)** Test Method for Measuring Optical Angular Deviation of Transparent Parts, **15.03**  
**F802** *Withdrawn 2012; Guide for Selection of Certain Walkway Surfaces When Considering Footwear Traction*, **15.07**  
**F803-14** Specification for Eye Protectors for Selected Sports, **15.07**  
**F804** *Withdrawn 1997; Practice for Producing Spin Coating Resist Thickness Curves*  
**F805** *Withdrawn 1996; Test Method for Photoplate Surface Flatness by Interferometric Non-Contact Technique*  
**F806-99a(2009)** Test Method for Compressibility and Recovery of Laminated Composite Gasket Materials, **09.02**  
**F807-83(2009)** Practice for Determining Resolution Capability of Office Copiers, **15.09**  
**F808** *Withdrawn 1998; Guide for Collecting Skimmer Performance Data in Uncontrolled Environments*  
**F809/F809M** *Withdrawn 2000; Specification for Large Diameter Polybutylene Plastic Pipe*  
**F810-12** Specification for Smoothwall Polyethylene (PE) Pipe for Use in Drainage and Waste Disposal Absorption Fields, **08.04**  
**F811-02(2010)** Practice for Accelerometer Use in Vehicles for Tire Testing, **09.02**  
**F812-12** Specification for Surface Discontinuities of Nuts, Inch and Metric Series, **01.08**  
**F813-07(2012)** Practice for Direct Contact Cell Culture Evaluation of Materials for Medical Devices, **13.01**  
**F814** *Withdrawn 1995; Test Method for Specific Optical Density of Smoke Generated by Solid Materials for Aerospace Applications*  
**F815** *Withdrawn 1998; Test Method for Detection of Epitaxial Spikes*  
**F816** *Withdrawn 2009; Test Method for Combined Fine and Gross Leaks for Large Hybrid Microcircuit Packages*  
**F817** *Withdrawn 1996; Test Method for Characterization of Film Resistor Materials and Processes*  
**F818-93(2009)** Terminology Relating to Spill Response Barriers, **11.05**  
**F819-10** Terminology Relating to Electrical Protective Equipment for Workers, **10.03**

- F820-11** Test Method for Measuring Air Performance Characteristics of Central Vacuum Cleaning Systems, **15.08**
- F821/F821M-01(2012)** Specification for Domestic Use Doors and Frames, Steel, Interior, Marine, **01.07**
- F822-93(2010)** Specification for Chest of Drawers (Chiffonier), Steel, Marine, **01.07**
- F823-93(2010)** Specification for Desk, Log, Marine, Steel, with Cabinet, **01.07**
- F824-93(2010)** Specification for Tables, Mess, Marine, Steel, **01.07**
- F825-93(2010)** Specification for Drawers, Furniture, Marine, Steel, **01.07**
- F826-94(2010)** Specification for Tops, Furniture, Marine, Steel, **01.07**
- F827** Not Assigned
- F828** *Withdrawn 1995; Test Method for Radiant Heat Resistance of Aircraft Inflatable Evacuation Slide/Slide Raft Materials*
- F829** *Withdrawn 1991; Test Method for Determining Protein Efficiency Ratio for Meat and Meat Products*
- F830** *Withdrawn 1991; Practice for Preparation of Meat, Variety Meats, Meat Byproducts and Meat Food Products for Determination of Either Protein Efficiency Ratio or Net Protein Ratio (Rat Feeding Tests)*
- F831** *Withdrawn 1991; Test Method for Determining Net Protein Ratio for Meat and Meat Products*
- F832-90(2008)** Classification for Security Seals, **15.08**
- F833-13b** Consumer Safety Performance Specification for Carriages and Strollers, **15.11**
- F834-84(2008)** Consumer Safety Specification for Toy Chests, **15.11**
- F835-12** Specification for Alloy Steel Socket Button and Flat Countersunk Head Cap Screws, **01.08**
- F835M-11** Specification for Alloy Steel Socket Button and Flat Countersunk Head Cap Screws (Metric), **01.08**
- F836M-02(2010)** Specification for Style 1 Stainless Steel Metric Nuts (Metric), **01.08**
- F837-08** Specification for Stainless Steel Socket Head Cap Screws, **01.08**
- F837M-02a(2010)** Specification for Stainless Steel Socket Head Cap Screws Metric, **01.08**
- F838-05(2013)** Test Method for Determining Bacterial Retention of Membrane Filters Utilized for Liquid Filtration, **14.02**
- F839-83(2006)** Specification for Cautionary Labeling of Portable Gasoline Containers for Consumer Use, **15.11**
- F840** *Withdrawn 2008; Specification for Ladders, Fixed, Vertical, Steel, Ship's; Replaced by F1166*
- F841-84(2011)** Specification for Thrusters, Tunnel, Permanently Installed in Marine Vessels, **01.07**
- F842-14** Test Methods for Measuring the Forced Entry Resistance of Sliding Door Assemblies, Excluding Glazing Impact, **04.12**
- F843-98(2008)** Test Method for Assessing the Color Strength and Dispersibility of Alkali Blue Pigment in Hot Melt Carbon Copy Paper Ink, **15.09**
- F844-07a** Specification for Washers, Steel, Plain (Flat), Unhardened for General Use, **01.08**
- F845** *Withdrawn 2003; Specification for Plastic Insert Fittings for Polybutylene (PB) Tubing*
- F846** *Withdrawn 2013; Guide for Testing Performance of Amusement Rides and Devices, 15.07*
- F847** *Withdrawn 2003; Test Methods for Measuring Crystallographic Orientation of Flats on Single Crystal Silicon Wafers by X-Ray Techniques*
- F848** *Withdrawn 1992; Test Method for Determining the Lattice Constant of Single Crystal Gadolinium Gallium Garnet*
- F849** *Withdrawn 1992; Test Method for Identification and Test of Structures and Contaminants Seen on Polished Gadolinium Gallium Garnet Surfaces*
- F850** *Withdrawn 1992; Test Method for Crystallographic Perfection of Gadolinium Gallium Garnet by Preferential Etch Techniques*
- F851-87(2013)** Test Method for Self-Rising Seat Mechanisms, **15.11**
- F852-08** Specification for Portable Gasoline Containers for Consumer Use, **15.11**
- F853** *Withdrawn 2014; Practice for Maintenance Procedures for Amusement Rides and Devices, 15.07*
- F854-83(2008)** Test Method for Cleanliness of Carbon Paper, **15.09**
- F855-09** Specifications for Temporary Protective Grounds to Be Used on De-energized Electric Power Lines and Equipment, **10.03**
- F856-97(2008)** Practice for Mechanical Symbols, Shipboard—Heating, Ventilation, and Air Conditioning (HVAC), **01.07**
- F857-12** Specification for Hot Water and Chemical Sanitizing Commercial Dishwashing Machines, Stationary Rack Type, **15.12**
- F858-07(2013)<sup>1</sup>** Specification for Hot Water Sanitizing Commercial Dishwashing Machines, Single Tank, Conveyor Rack Type, **15.12**
- F859-09** Specification for Heat-Sanitizing Commercial Dishwashing Machines, Multiple Tank, Conveyor Rack Type, **15.12**
- F860-07(2013)** Specification for Hot Water Sanitizing Commercial Dishwashing Machines, Multiple Tank, Rackless Conveyor Type, **15.12**
- F861-14** Specification for Commercial Dishwashing Racks, **15.12**
- F862-11** Practice for pH and Chloride-ion Concentration of Aerospace Hydraulic Fluids, **15.03**
- F863** *Withdrawn 1996; Practice for Detection of Defects in Spin-Coated Resist*
- F864** *Withdrawn 1996; Practice for Inspection of Hardsurface Glass Photoplates*
- F865** *Withdrawn 2001; Test Method for Gross Camber of Ceramic Substrates for Thick Film Applications*
- F866** *Withdrawn 1996; Test Method for Measuring the Package Attenuation Coefficient of a Sealed Device for Radioisotope Hermetic Test*
- F867M** *Withdrawn 1998; Guide for Ionizing Radiation Effects (Total Dose Testing of Semiconductor Devices [Metric]); Replaced by F1893*
- F868-02(2009)** Classification for Laminated Composite Gasket Materials, **09.02**
- F869** *Withdrawn 2013; Terminology Relating to Athletic Shoes and Biomechanics, 15.07*
- F870-94(2010)** Practice for Tread Footprints of Passenger Car Tires Groove Area Fraction and Dimensional Measurements, **09.02**
- F871M** *Withdrawn 2001; Specification for Electrodeposited Coatings on Threaded Components [Metric]; Replaced by F1941M*
- F872** *Withdrawn 2002; Specification for Filter Units, Air Conditioning: Viscous-Impingement Type, Cleanable*
- F873** *Withdrawn 2010; Guide for Incinerating Oil Spill Wastes at Temporary Field Locations*
- F874-98(2014)** Test Method for Temperature Measurement and Profiling for Microwave Susceptors, **15.10**
- F875-09** Test Method for Evaluation of Large Area Density and Background on Office Copiers, **15.09**
- F876-13a** Specification for Crosslinked Polyethylene (PEX) Tubing, **08.04**
- F877-11a** Specification for Crosslinked Polyethylene (PEX) Hot- and Cold-Water Distribution Systems, **08.04**
- F878** *Withdrawn 2000; Specification for Polybutylene (PB) Thermoplastic Thin-Wall Drip Irrigation Tubing*
- F879-12** Specification for Stainless Steel Socket Button and Flat Countersunk Head Cap Screws, **01.08**
- F879M-02a(2008)** Specification for Stainless Steel Socket Button and Flat Countersunk Head Cap Screws (Metric), **01.08**
- F880-12** Specification for Stainless Steel Socket, Square Head, and Slotted Headless-Set Screws, **01.08**
- F880M-02(2008)** Specification for Stainless Steel Socket Set Screws (Metric), **01.08**
- F881-94(2006)** Specification for Silicone Elastomer Facial Implants, **13.01**
- F882** *Withdrawn 2011; Performance and Safety Specification for Cryosurgical Medical Instruments*
- F883-13** Performance Specification for Padlocks, **15.08**
- F884-01(2011)** Test Method for Motor Life Evaluation of a Built-In (Central Vacuum) Vacuum Cleaner, **15.08**
- F885-84(2011)** Specification for Envelope Dimensions for Bronze Globe Valves NPS, **01.07**
- F886** *Withdrawn 1995; Test Method for Apparent Nitrogen Digestibility for Meat and Meat Products*
- F887-13** Specifications for Personal Climbing Equipment, **10.03**
- F888-06(2011)** Test Method for Measuring Maximum Function Volume of the Primary Dirt, **15.08**
- F889** *Withdrawn 1996; Test Method for Characterizing a Combination of Planar Surfaces to a Technical Level by a Vacuum Hold-Down Technique*
- F890** *Withdrawn 1996; Practice for Determining Pinhole Density in Photoresist Films Used in Microelectronic Device Processing*
- F891-10** Specification for Coextruded Poly(Vinyl Chloride) (PVC) Plastic Pipe With a Cellular Core, **08.04**
- F892** *Withdrawn 2001; Specification for Polyethylene (PE) Corrugated Pipe with a Smooth Interior and Fitting*
- F893** *Withdrawn 2013; Guide for Auditing Amusement Rides and Devices; Replaced by F2974, 15.07*
- F894-13** Specification for Polyethylene (PE) Large Diameter Profile Wall Sewer and Drain Pipe, **08.04**
- F895-11** Test Method for Agar Diffusion Cell Culture Screening for Cytotoxicity, **13.01**
- F896** *Withdrawn 2001; Specification for Flexible Fiberoptic Bronchoscopes; Replaced by ISO 8600-1:1997*
- F897-02(2013)** Test Method for Measuring Fretting Corrosion of Osteosynthesis Plates and Screws, **13.01**
- F898** *Withdrawn 1992; Practice for Permanent Marking of Orthopedic Implant Components*
- F899-12b** Specification for Wrought Stainless Steels for Surgical Instruments, **13.01**
- F900-11** Specification for Industrial and Commercial Steel Swing Gates, **01.06**
- F901-01(2012)** Specification for Aluminum Transmission Tower Bolts and Nuts, **01.08**
- F902** *Withdrawn 2000; Practice for Calculating the Average Circular-Capillary-Equivalent Pore Diameter in Filter Media from Measurements of Porosity and Permeability*
- F903-10** Test Method for Resistance of Materials Used in Protective Clothing to Penetration by Liquids, **11.03**
- F904-98(2008)** Test Method for Comparison of Bond Strength or Ply Adhesion of Similar Laminates Made from Flexible Materials, **15.10**
- F905-04(2011)** Practice for Qualification of Polyethylene Saddle-Fused Joints, **08.04**
- F906-85(2007)** Specification for Letters and Numerals for Ships, **01.07**
- F907** *Withdrawn 1997; Test Method for Measurement of Rotational Acceleration of a Wafer for Photoresist Spin Coating*
- F908** *Withdrawn 1996; Practice for Evaluating Safelights for Photoresists Modules to Hail by Impact with Propelled Ice Balls*
- F909-94a(2011)** Terminology Relating to Printers, **15.09**
- F910-04(2010)** Specification for Face Guards for Youth Baseball, **15.07**
- F911** *Withdrawn 2002; Test Method for Flexibility of Running Shoes*
- F912-11** Specification for Alloy Steel Socket Set Screws, **01.08**
- F912M-11** Specification for Alloy Steel Socket Set Screws (Metric), **01.08**
- F913-02(2008)** Specification for Thermoplastic Elastomeric Seals (Gaskets) for Joining Plastic Pipe, **08.04**
- F914/F914M-10** Test Method for Acoustic Emission for Aerial Personnel Devices Without Supplemental Load Handling Attachments, **10.03**

- F915 *Withdrawn 1995; Specification for Bitts, Ship Mooring, Cast Steel (Double Barrel)*
- F916 *Withdrawn 2002; Specification for Elevators, Shipboard, Electromechanical Passenger, and Stores*
- F917-14** Specification for Commercial Food Waste Disposers, **15.12**
- F918-09** Specification for Noncarbonated Mechanically Refrigerated Beverage Dispenser (Visible Product), **15.12**
- F919-10** Specification for Slicing Machines, Food, Electric, **15.12**
- F920 *Withdrawn 2007; Specification for Minimum Performance and Safety Requirements for Resuscitators Intended for Use With Humans*
- F921-10(2011)** Terminology Relating to Hemostatic Forceps, **13.01**
- F922-01(2011)** Test Method for Motor Life Evaluation of an Electric Motorized Nozzle, **15.08**
- F923 *Withdrawn 2006; Guide to Properties of High Visibility Materials Used to Improve Individual Safety*
- F924-90(2009)** Test Method for Resistance to Puncture of Cushioned Resilient Floor Coverings, **15.04**
- F925-13** Test Method for Resistance to Chemicals of Resilient Flooring, **15.04**
- F926 *Withdrawn 2014; Specification for Cautionary Labeling of Portable Kerosene and Diesel Containers for Consumer Use; Replaced by F839*
- F927 *Withdrawn 1999; Specification for Pediatric Tracheostomy Tubes; Replaced by F1627*
- F928 *Withdrawn 2003; Test Methods for Edge Contour of Circular Semiconductor Wafers and Rigid Disk Substrates*
- F929 *Withdrawn 2002; Guide for Ecological Considerations for the Use of Chemical Dispersants in Oil Spill Response—Marine Mammals*
- F930 *Withdrawn 2001; Guide for Ecological Considerations for the Use of Chemical Dispersants in Oil Spill Response—Rocky Shores*
- F931 *Withdrawn 2002; Guide for Ecological Considerations for the Use of Chemical Dispersants in Oil Spill Response—Seagrasses*
- F932 *Withdrawn 2002; Guide for Ecological Considerations for the Use of Chemical Dispersants in Oil Spill Response—Coral Reefs*
- F933 *Withdrawn 2001; Guide for Evaluation of Oil Water Separation Systems for Spilled Oil Recovery Applications*
- F934-96(2013)** Specification for Standard Colors for Polymer-Coated Chain Link Fence Materials, **01.06**
- F935-00(2009)** Test Method for Comparing Cover-Up Correction Media, **15.09**
- F936 *Withdrawn 1997; Specification for Chocks, Panama, Mooring Cast Steel*
- F937 *Withdrawn 1997; Specification for Chocks, Ship Mooring, Cast Steel*
- F938 *Withdrawn 1995; Specification for Bitts, Ship Mooring, Welded Steel (Double Barrel)*
- F939-12** Practice for Selection of Release Torque Values for Alpine Ski Bindings, **15.07**
- F940-99(2013)** Practice for Quality Control Receipt Inspection Procedures for Protective Coatings (Paint), Used in Marine Construction and Shipbuilding, **01.07**
- F941-99(2013)** Practice for Inspection of Marine Surface Preparation and Coating Application, **01.07**
- F942-02(2013)** Guide for Selection of Test Methods for Interlayer Materials for Aerospace Transparent Enclosures, **15.03**
- F943 *Withdrawn 1997; Test Method for Measuring Halation of Transparent Parts*
- F944 *Withdrawn 2004; Specification for Properties of Adult Alpine Ski Boots*
- F945-12** Test Method for Stress-Corrosion of Titanium Alloys by Aircraft Engine Cleaning Materials, **15.03**
- F946-85(2010)** Guide for Establishing Security Seal Control and Accountability Procedures, **15.08**
- F947 *Withdrawn 2005; Test Method for Determining Low-Level X-Radiation Sensitivity of Photographic Films*
- F948-94(2011)** Test Method for Time-to-Failure of Plastic Piping Systems and Components Under Constant Internal Pressure With Flow, **08.04**
- F949-10** Specification for Poly(Vinyl Chloride) (PVC) Corrugated Sewer Pipe With a Smooth Interior and Fittings, **08.04**
- F950 *Withdrawn 2003; Test Method for Measuring the Depth of Crystal Damage of a Mechanically Worked Silicon Slice Surface by Angle Polishing and Defect Etching*
- F951 *Withdrawn 2003; Test Method for Determination of Radial Interstitial Oxygen Variation in Silicon Wafers*
- F952-12** Specification for Mixing Machines, Food, Electric, **15.12**
- F953-14** Specification for Commercial Dishwashing Machines (Stationary Rack, Dump Type) Chemical Sanitizing, **15.12**
- F954 *Withdrawn 1996; Specification for Respiratory Home Care*
- F955-07** Test Method for Evaluating Heat Transfer through Materials for Protective Clothing Upon Contact with Molten Substances, **11.03**
- F956-91(2012)** Specification for Bell, Cast, Sound Signalling, **01.07**
- F957-91(2012)** Specification for Gong, Sound Signaling, **01.07**
- F958 *Withdrawn 1993; Practice for Developing Guides for Using Consumer Products*
- F959-13** Specification for Compressible-Washer-Type Direct Tension Indicators for Use with Structural Fasteners, **01.08**
- F959M-13** Specification for Compressible-Washer-Type Direct Tension Indicators for Use with Structural Fasteners (Metric), **01.08**
- F960 *Withdrawn 2003; Specification for Medical and Surgical Suction and Drainage Systems; Replaced by F2221, F2222, F2265*
- F961-08** Specification for 35Cobalt-35Nickel-20Chromium-10Molybdenum Alloy Forgings for Surgical Implants (UNS R30035), **13.01**
- F962-04(2010)** Specification for Oil Spill Response Boom Connection: Z-Connector, **11.05**
- F963-11** Consumer Safety Specification for Toy Safety, **15.11**
- F964-13** Specification for Rigid Poly (Vinyl Chloride) (PVC) Exterior Profiles Used for Fencing and Railing, **01.06**
- F965 *Withdrawn 2008; Specification for Rigid Laryngoscopes for Tracheal Intubation—Hook-On Fittings for Laryngoscope Handles and Blades with Lamps*
- F966 *Withdrawn 2009; Consumer Safety Specification for Full-Size and Non-Full-Size Baby Crib Corner Post Extensions*
- F967-03(2011)** Practice for Security Engineering Symbols, **15.08**
- F968 *Withdrawn 2008; Specification for Electrically Insulating Plastic Guard Equipment for Protection of Workers; Replaced by F 712*
- F969-11** Practice for Construction of Chain-Link Tennis Court Fence, **01.06**
- F970-07(2011)** Test Method for Static Load Limit, **15.04**
- F971 *Withdrawn 2002; Guide for Ecological Considerations for the Use of Chemical Dispersants in Oil Spill Response: Mangroves*
- F972 *Withdrawn 2001; Guide for Ecological Considerations for the Use of Chemical Dispersants in Oil Spill Response—Nearshore Subtidal*
- F973 *Withdrawn 2001; Guide for Ecological Considerations for the Use of Chemical Dispersants in Oil Spill Response: Tidal Flats*
- F974-06(2011)<sup>1</sup>** Practice for Determination of Color Response of Electrostatic Copying System, Black and White Output, **15.09**
- F975 *Withdrawn 2000; Specification for Auxiliary Single Stage Steam Turbines for Shipboard Use*
- F976-08** Specification for Portable Kerosene and Diesel Containers for Consumer Use, **15.11**
- F977-12** Consumer Safety Specification for Infant Walkers, **15.11**
- F978 *Withdrawn 2003; Test Method for Characterizing Semiconductor Deep Levels by Transient Capacitance Techniques*
- F979 *Withdrawn 2009; Test Method for Hermeticity of Hybrid Microcircuit Packages Prior to Lidding*
- F980-10** Guide for Measurement of Rapid Annealing of Neutron-Induced Displacement Damage in Silicon Semiconductor Devices, **10.04**
- F981-04(2010)** Practice for Assessment of Compatibility of Biomaterials for Surgical Implants with Respect to Effect of Materials on Muscle and Bone, **13.01**
- F982-86(2008)** Specification for Disclosure of Characteristics of Surgically Implanted Clamps for Carotid Occlusion, **13.01**
- F983-86(2013)** Practice for Permanent Marking of Orthopaedic Implant Components, **13.01**
- F984 *Withdrawn 1999; Specification for Cutaneous Gas Monitoring Devices for Oxygen and Carbon Dioxide*
- F985-00(2012)** Specification for Panama Canal Pilot Platform, **01.07**
- F986-86(2008)** Specification for Suction Strainer Boxes, **01.07**
- F987-04(2010)** Specification for Portable Intermediate Flush Deck Stanchion, **01.07**
- F988 *Withdrawn 1992; Guide for Specifying Carbon-Fiber Randomly Reinforced Ultra-High-Molecular-Weight Polyethylene for Medical Devices*
- F989 *Withdrawn 1995; Test Methods for Spill Control Barrier Tension Members*
- F990 *Withdrawn 2001; Guide for Ecological Considerations for Use of Chemical Dispersants in Oil Spill Response—Sandy Beaches*
- F991M *Withdrawn 2013; Specification for Docking/Drain Plug and Boss Assemblies [Metric]*
- F992-86(2011)** Specification for Valve Label Plates, **01.07**
- F993-86(2011)** Specification for Valve Locking Devices, **01.07**
- F994-86(2011)** Specification for Design and Installation of Overboard Discharge Hull Penetration Connections, **01.07**
- F995-09** Practice for Estimating Toner Usage in Copiers Utilizing Dry Two-Component Developer, **15.09**
- F996-11** Test Method for Separating an Ionizing Radiation-Induced MOSFET Threshold Voltage Shift into Components Due to Oxide Trapped Holes and Interface States Using the Subthreshold Current-Voltage Characteristics, **10.04**
- F997-10** Specification for Polycarbonate Resin for Medical Applications, **13.01**
- F998-12** Specification for Centrifugal Pump, Shipboard Use, **01.07**
- F999 *Withdrawn 2001; Guide for Ecological Considerations for the Use of Chemical Dispersants in Oil Spill Response—Gravel or Cobble Beaches*
- F1000-13** Practice for Piping System Drawing Symbols, **01.07**
- F1001-12** Guide for Selection of Chemicals to Evaluate Protective Clothing Materials, **11.03**
- F1002-13** Performance Specification for Protective Clothing and the Materials from Which It Is Made for Use by Workers Exposed to Specific Molten Substances and Related Thermal Hazards, **11.03**
- F1003-02(2012)<sup>1</sup>** Specification for Searchlights on Motor Lifeboats, **01.07**
- F1004-13** Consumer Safety Specification for Expansion Gates and Expandable Enclosures, **15.11**
- F1005-91(2013)** Practice for HVAC Duct Shapes; Identification and Description of Design Configuration, **01.07**
- F1006-86(2008)** Specification for Entrapment Separators for Use in Marine Piping Applications, **01.07**
- F1007-86(2007)** Specification for Pipeline Expansion Joints of the Packed Slip Type for Marine Application, **01.07**
- F1008 *Withdrawn 2001; Guide for Ecological Considerations for the Use of Chemical Dispersants in Oil Spill Response—Salt Marshes*
- F1009 *Withdrawn 2002; Guide for Ecological Considerations for the Use of Chemical Dispersants in Oil Spill Response—Offshore*
- F1010 *Withdrawn 2001; Guide for Ecological Considerations for the Use of Dispersants in Oil Spill Response—Bird Habitats*
- F1011-07(2013)** Guide for Developing a Hazardous Materials Training Curriculum for Initial Response Personnel, **11.05**
- F1012 *Withdrawn 2002; Guide for Ecological Considerations for the Use of*

- Chemical Dispersants in Oil Spill Response—the Arctic*  
**F1013** *Withdrawn 2002; Practice for Determining the Performance of a Liquid/Liquid Separator System Employing a Single-Pass, Constant-Rate, Non-Solids Test*
- F1014-02(2012)<sup>c1</sup>** Specification for Flashlights on Vessels, **01.07**
- F1015-03(2009)** Test Method for Relative Abrasiveness of Synthetic Turf Playing Surfaces, **15.07**
- F1016-07(2013)<sup>c1</sup>** Practice for Linear Tire Treadwear Data Analysis, **09.02**
- F1017** *Withdrawn 2002; Test Method for Testing Lateral Toe Release of Adult Alpine Ski Bindings Under Impact Loading*
- F1018-87a(2010)** Specification for Steel Emergency Gear Stowage Locker, **01.07**
- F1019M-00(2012)** Specification for Steel Deck Gear Stowage Box Metric, **01.07**
- F1020-86(2011)** Specification for Line-Blind Valves for Marine Applications, **01.07**
- F1021-95(2013)** Specification for Feeders, Detergent, Rinse Agent, and Sanitizing Agent for Commercial Dishwashing and Glasswashing Machines, **15.12**
- F1022** *Withdrawn 2012; Specification for Chemical Sanitizing Commercial Dishwashing Machines, Recirculated Wash, Fresh Water Rinse Type*
- F1023-12** Specification for Dispensers, Powdered Iced Tea, **15.12**
- F1024** *Withdrawn 2004; Specification for Dispensers, Rehydrated Mashed Potato*
- F1025-94(2011)** Guide for Selection and Use of Full-Encirclement-Type Band Clamps for Reinforcement or Repair of Punctures or Holes in Polyethylene Gas Pressure Pipe, **08.04**
- F1026-86(2008)<sup>c1</sup>** Specification for General Workmanship and Performance Measurements of Hemostatic Forceps, **13.01**
- F1027-86(2012)** Practice for Assessment of Tissue and Cell Compatibility of Orofacial Prosthetic Materials and Devices, **13.01**
- F1028** *Withdrawn 1996; Specification for Tri-Fin Nails*
- F1029** *Withdrawn 2004; Guide for Selection of Physical Security Measures for a Facility*
- F1030-86(2008)** Practice for Selection of Valve Operators, **01.07**
- F1031-13** Practice for Training the Emergency Medical Technician (Basic), **13.02**
- F1032** *Withdrawn 1994; Guide for Measuring Time-Dependant Total-Dose Effects in Semiconductor Devices Exposed to Pulsed Ionizing Radiation*
- F1033-00(2010)** Test Method for Comparing Lift-Off Correction Media, **15.09**
- F1034** *Withdrawn 2000; Guide for Classifying Industrial Robots*
- F1035-03(2008)** Practice for Use of Rubber-Cord Pie Disk to Demonstrate the Discernment Capability of a Tire X-ray Imaging System, **09.02**
- F1036** *Not Assigned*
- F1037-10** Test Method for Visual Rating of Appearance of Resilient Floors After In-Service Exposure to Foot Traffic, **15.04**
- F1038-02(2011)** Test Method for Motor Life Evaluation of a Canister, Hand-held, Stick, and Utility Type Vacuum Cleaner Without a Driven Agitator, **15.08**
- F1039** *Withdrawn 2002; Test Method for Measurement of Low Level X-Radiation Used in X-Ray Security Screening Systems*
- F1040** *Withdrawn 2012; Specification for Filter Units, Air Conditioning: Viscous-Impingement and Dry Types, Replaceable*
- F1041-02(2008)** Guide for Squeeze-Off of Polyolefin Gas Pressure Pipe and Tubing, **08.04**
- F1042-87(2009)** Practice for Estimating Toner and Dispersant Usage in Copiers Utilizing Liquid Developers, **15.09**
- F1043-13** Specification for Strength and Protective Coatings on Steel Industrial Fence Framework, **01.06**
- F1044-05(2011)<sup>c1</sup>** Test Method for Shear Testing of Calcium Phosphate Coatings and Metallic Coatings, **13.01**
- F1045-07(2013)** Performance Specification for Ice Hockey Helmets, **15.07**
- F1046-01(2008)** Guide for Preparing Artificially Worn Passenger and Light Truck Tires for Testing, **09.02**
- F1047-10** Specification for Frying and Braising Pans, Tilting Type, **15.12**
- F1048** *Withdrawn 2003; Test Method for Measuring the Effective Surface Roughness of Optical Components by Total Integrated Scattering*
- F1049** *Withdrawn 2003; Practice for Shallow Etch Pit Detection on Silicon Wafers*
- F1050/F1050M-87(2010)<sup>c1</sup>** Test Method for Determining Winding Torque and Tension of Typewriter Ribbons, **15.09**
- F1051-00(2009)** Test Method for Comparing Multistrike Film Ribbons, **15.09**
- F1052-14** Test Method for Pressure Testing Vapor Protective Suits, **11.03**
- F1053/F1053M** *Withdrawn 2003; Guide for Steel Hull Construction Tolerances [Metric]*
- F1054** *Withdrawn 2005; Specification for Conical Fittings*
- F1055-13** Specification for Electrofusion Type Polyethylene Fittings for Outside Diameter Controlled Polyethylene and Crosslinked Polyethylene (PEX) Pipe and Tubing, **08.04**
- F1056-04(2011)** Specification for Socket Fusion Tools for Use in Socket Fusion Joining Polyethylene Pipe or Tubing and Fittings, **08.04**
- F1057-10** Practice for Estimating the Quality of Extruded Poly (Vinyl Chloride) (PVC) Pipe by the Heat Reversion Technique, **08.04**
- F1058-08** Specification for Wrought 40Cobalt-20Chromium-16Iron-15Nickel-7Molybdenum Alloy Wire and Strip for Surgical Implant Applications (UNS R30003 and UNS R30008), **13.01**
- F1059** *Withdrawn 1996; Practice for Calculating the Contrast and Threshold Sensitivity of a Positive Photoresist*
- F1060-08** Test Method for Thermal Protective Performance of Materials for Protective Clothing for Hot Surface Contact, **11.03**
- F1061-08(2013)** Specification for Ski Binding Test Devices, **15.07**
- F1062-97(2013)** Test Method for Verification of Ski Binding Test Devices, **15.07**
- F1063-09(2014)** Practice for Functional Inspections and Adjustments of Alpine Ski/Binding/Boot Systems, **15.07**
- F1064-11** Practice for Sampling and Inspection of Complete and Incomplete Alpine Ski/Binding/Boot Systems in Rental Applications, **15.07**
- F1065** *Withdrawn 1994; Practice for the Inspection of Incomplete Alpine Ski/Boot/Binding Systems in Rental Applications; Replaced by F1064*
- F1066-04(2010)<sup>c1</sup>** Specification for Vinyl Composition Floor Tile, **15.04**
- F1067** *Withdrawn 2000; Test Method for Determining the Performance of a Petroleum Product Filter Cartridge Using a Single-Pass Constant Rate Procedure*
- F1068-90(2012)** Specification for Doors, Double, Gastight/Airtight, Individually Dogged, for Marine Use, **01.07**
- F1069-87(2012)** Specification for Doors, Watertight, Gastight/Airtight and Weatheright, Individually Dogged, for Marine Use, **01.07**
- F1070-87(2012)** Specification for Doors, Non-Tight, for Marine Use, **01.07**
- F1071-94(2012)** Specification for Expanded-Metal Bulkhead Panels, **01.07**
- F1072-94(2012)** Specification for Expanded-Metal Doors, **01.07**
- F1073-87(2012)** Specification for Door Fittings, for Watertight/Gastight/Airtight, Weatheright, and Non-Tight Doors, for Marine Use, **01.07**
- F1074-87(2012)** Specification for Cleats, Welded Horn Type, **01.07**
- F1075-97(2008)** Specification for Dehumidifier, Shipboard, Mechanically Refrigerated, Self-Contained, **01.07**
- F1076-87(2010)** Practice for Expanded Welded and Silver Brazed Socket Joints for Pipe and Tube, **01.07**
- F1077-05** Guide for Selection of Committee F16 Fastener Specifications, **01.08**
- F1078-10(2011)** Terminology for Surgical Scissors—Inserted and Non-Inserted Blades, **13.01**
- F1079-87(2008)<sup>c1</sup>** Specification for Inserted and Noninserted Surgical Scissors, **13.01**
- F1080-93(2013)** Test Method for Determining the Consistency of Viscous Liquids Using a Consistometer, **15.03**
- F1081-09** Specification for Competition Wrestling Mats, **15.07**
- F1082** *Withdrawn 2006; Practice for Tires—Determining Precision for Test Method Standards*
- F1083-13** Specification for Pipe, Steel, Hot-Dipped Zinc-Coated (Galvanized) Welded, for Fence Structures, **01.06**
- F1084-08(2013)** Guide for Sampling Oil/Water Mixtures for Oil Spill Recovery Equipment, **11.05**
- F1085-10** Specification for Mattress and Box Springs for Use in Berths in Marine Vessels, **01.07**
- F1086-94(2008)** Guide for Structures and Responsibilities of Emergency Medical Services Organizations, **13.02**
- F1087-02(2009)** Test Method for Linear Dimensional Stability of a Gasket Material to Moisture, **09.02**
- F1088-04a(2010)** Specification for Beta-Tricalcium Phosphate for Surgical Implantation, **13.01**
- F1089-10** Test Method for Corrosion of Surgical Instruments, **13.01**
- F1090-06** Classification for Bank and Mercantile Vault Construction, **15.08**
- F1091-12** Specification for Wrought Cobalt-20Chromium-15Tungsten-10Nickel Alloy Surgical Fixation Wire (UNS R30605), **13.01**
- F1092-04(2010)** Specification for Fiberglass (GRP) Pultruded Open-Weather Storm and Guard, Square Railing Systems, **01.07**
- F1093-99(2012)** Test Methods for Tensile Strength Characteristics of Oil Spill Response Boom, **11.05**
- F1094-87(2012)** Test Methods for Microbiological Monitoring of Water Used for Processing Electron and Microelectronic Devices by Direct Pressure Tap Sampling Valve and by the Presterilized Plastic Bag Method, **10.04**
- F1095** *Withdrawn 2001; Test Method for Rapid Enumeration of Bacteria in Electronics-Grade Purified Water Systems by Direct-Count Epifluorescence Microscopy*
- F1096** *Withdrawn 1992; Test Method for Measuring MOSFET Saturated Threshold Voltage*
- F1097-91(2012)** Specification for Mortar, Refractory (High-Temperature, Air-Setting), **01.07**
- F1098-87(2010)** Specification for Envelope Dimensions for Butterfly Valves—NPS 2 to 24, **01.07**
- F1099M-98(2011)** Specification for Rat Guards, Ship's [Metric], **01.07**
- F1100** *Withdrawn 2004; Specification for Ventilators Intended for Use in Critical Care; Replaced by F2198*
- F1101** *Withdrawn 2012; Specification for Ventilators Intended for Use During Anesthesia*
- F1102** *Withdrawn 2000; Guide for Preparation of Use and Care Booklets for Residential Resilient Nontextile Floor Coverings*
- F1103** *Withdrawn 1998; Test Method for Materials Response to Flame—45° (for Aerospace Vehicles)*
- F1104-02(2013)** Test Method for Preparing Aircraft Cleaning Compounds, Liquid Type, Water Base, for Storage Stability Testing, **15.03**
- F1105-09** Practice for Preparing Aircraft Cleaning Compounds, Liquid-Type, Temperature-Sensitive, or Solvent-Based, for Storage Stability Testing, **15.03**
- F1106-87(2012)** Specification for Warping Heads, Rope Handling (Gypsy Head, Capstan Head), **01.07**
- F1107-04(2010)** Terminology Relating to Snowboarding, **15.07**
- F1108-04(2009)** Specification for Titanium-6Aluminum-4Vanadium Alloy Castings for Surgical Implants (UNS R56406), **13.01**
- F1109** *Withdrawn 1993; Specification for Porous Composites of Polytetrafluoro-*



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- F1110-09** Test Method for Sandwich Corrosion Test, **15.03**
- F1111-08b(2013)** Test Method for Corrosion of Low-Embrittling Cadmium Plate by Aircraft Maintenance Chemicals, **15.03**
- F1112-06a(2010)** Test Method for Static Testing of Tubeless Pneumatic Tires for Rate of Loss of Inflation Pressure, **09.02**
- F1113-87(2011)** Test Method for Electrochemical Measurement of Diffusible Hydrogen in Steels (Barnacle Electrode), **15.03**
- F1114-11** Specification for Heat Sanitizing Commercial Pot, Pan, and Utensil Stationary Rack Type Water-Driven Rotary Spray, **15.12**
- F1115-95(2008)<sup>1</sup>** Test Method for Determining the Carbon Dioxide Loss of Beverage Containers, **15.10**
- F1116-03(2008)** Test Method for Determining Dielectric Strength of Dielectric Footwear, **10.03**
- F1117-03(2013)** Specification for Dielectric Footwear, **10.03**
- F1118 Withdrawn 2007; Specification for National Air Medical Transport Units Resources Catalog*
- F1119 Withdrawn 2000; Specification for Rotary Wing Basic Life Support Transport Units*
- F1120-87(2010)** Specification for Circular Metallic Bellows Type Expansion Joints for Piping Applications, **01.07**
- F1121-87(2010)** Specification for International Shore Connections for Marine Fire Applications, **01.07**
- F1122-04(2010)** Specification for Quick Disconnect Couplings (6 in. NPS and Smaller), **01.07**
- F1123-87(2010)** Specification for Non-Metallic Expansion Joints, **01.07**
- F1124 Withdrawn 2000; Specification for Rotary Wing Advanced Life Support Transport Units*
- F1125-87(2011)** Terminology of Image Quality in Impact Printing Systems, **15.09**
- F1126-12** Specification for Food Cutters (Electric), **15.12**
- F1127-07(2013)** Guide for Containment of Hazardous Material Spills by Emergency Response Personnel, **11.05**
- F1128 Withdrawn 1996; Test Method for Abrasion Resistance of Transparent Plastics and Coatings Using Salt Impingement Method*
- F1129/F1129M-12** Guide for Using Aqueous Foams to Control the Vapor Hazard from Immiscible Volatile Liquids, **11.05**
- F1130-99(2009)** Practice for Inspecting the Coating System of a Ship, **01.07**
- F1131 Withdrawn 1993; Practice for Inspecting the Coating System of a Ship's Tanks and Voids; Replaced by F1130*
- F1132 Withdrawn 1993; Practice for Inspecting the Coating System of a Ship's Deck And Deck Machinery; Replaced by F1130*
- F1133 Withdrawn 1993; Practice for Inspecting the Coating System of a Ship's Underwater Hull and Boottop During Drydocking; Replaced by F1130*
- F1134-12** Specification for Insulation Resistance Monitor for Shipboard Electrical Motors and Generators, **01.07**
- F1135 Withdrawn 2009; Specification for Cadmium or Zinc Chromate Organic Corrosion Protective Coating for Fasteners*
- F1136M Withdrawn 2011; Specification for Zinc/Aluminum Corrosion Protective Coatings for Fasteners (Metric); Replaced by F1136*
- F1136/F1136M-11** Specification for Zinc/Aluminum Corrosion Protective Coatings for Fasteners, **01.08**
- F1137-11<sup>c1</sup>** Specification for Phosphate/Oil Corrosion Protective Coatings for Fasteners, **01.08**
- F1138-98(2007)** Specification for Spray Shields for Mechanical Joints, **01.07**
- F1139-88(2010)** Specification for Steam Traps and Drains, **01.07**
- F1140/F1140M-13** Test Methods for Internal Pressurization Failure Resistance of Unrestrained Packages, **15.10**
- F1141-10** Specification for Wall Covering, **15.11**
- F1142-98(2012)** Specification for Manhole Cover Assembly, Bolted, Semi-Flush, Oiltight and Watertight, **01.07**
- F1143-98(2012)** Specification for Manhole Cover Assembly, Bolted, Raised, Oiltight and Watertight, **01.07**
- F1144-98(2012)** Specification for Manhole Cover Assembly, Bolted, Semi-Flush, Oiltight and Watertight, Hinged, **01.07**
- F1145-05(2011)** Specification for Turnbuckles, Swaged, Welded, Forged, **01.07**
- F1146 Withdrawn 2000; Specification for Rotary Wing Specialized Medical Transport Units*
- F1147-05(2011)** Test Method for Tension Testing of Calcium Phosphate and Metallic Coatings, **13.01**
- F1148-12** Consumer Safety Performance Specification for Home Playground Equipment, **15.11**
- F1149-93(2013)** Practice for Qualifications, Responsibilities, and Authority of Individuals and Institutions Providing Medical Direction of Emergency Medical Services, **13.02**
- F1150-11** Specification for Commercial Food Waste Pulper and Waterpress Assembly, **15.12**
- F1151-88(2008)** Test Method for Determining Variations in Hardness of Film Ribbon Pancakes, **15.09**
- F1152 Withdrawn 2003; Test Method for Dimensions of Notches on Silicon Wafers*
- F1153 Withdrawn 2003; Test Method for Characterization of Metal-Oxide-Silicon (MOS) Structures by Capacitance-Voltage Measurements*
- F1154-11** Practices for Qualitatively Evaluating the Comfort, Fit, Function, and Durability of Protective Ensembles and Ensemble Components, **11.03**
- F1155-10** Practice for Selection and Application of Piping System Materials, **01.07**
- F1156 Withdrawn 2001; Terminology Relating to Product Counterfeit Protection Systems*
- F1157-04(2010)** Practice for Classifying the Relative Performance of the Physical Properties of Security Seals, **15.08**
- F1158-94(2008)** Guide for Inspection and Evaluation of Tampering of Security Seals, **15.08**
- F1159-11** Practice for Design and Manufacture of Patron Directed, Artificial Climbing Walls, Dry Slide, Coin Operated and Purposeful Water Immersion Amusement Rides and Devices and Air-Supported Structures, **15.07**
- F1160-14** Test Method for Shear and Bending Fatigue Testing of Calcium Phosphate and Metallic Medical and Composite Calcium Phosphate/Metallic Coatings, **13.01**
- F1161 Withdrawn 2000; Specification for Minimum Performance and Safety Requirements for Components and Systems of Anesthesia Gas Machines; Replaced by F1850*
- F1162 Withdrawn 2011; Specification for Pole Vault Landing Systems*
- F1162/F1162M-12** Specification for Pole Vault Landing Systems, **15.07**
- F1163-13** Specification for Protective Headgear Used in Horse Sports and Horseback Riding, **15.07**
- F1164-97(2009)<sup>1</sup>** Test Method for Evaluation of Transparent Plastics Exposed to Accelerated Weathering Combined with Biaxial Stress, **15.03**
- F1165-10** Test Method for Measuring Angular Displacement of Multiple Images in Transparent Parts, **15.03**
- F1166-07(2013)** Practice for Human Engineering Design for Marine Systems, Equipment, and Facilities, **01.07**
- F1167 Withdrawn 1993; Terminology Relating to Aseptic Packaging*
- F1168 Withdrawn 2000; Guide for Use in the Establishment of Thermal Processes for Foods Packaged in Flexible Containers*
- F1169-13** Consumer Safety Specification for Full-Size Baby Cribs, **15.11**
- F1170 Withdrawn 2002; Practice for Determining the Performance of a Filter Medium Using Water and Siliceous Particles*
- F1171 Not Assigned*
- F1172-88(2010)** Specification for Fuel Oil Meters of the Volumetric Positive Displacement Type, **01.07**
- F1173-01(2012)** Specification for Thermosetting Resin Fiberglass Pipe Systems to Be Used for Marine Applications, **01.07**
- F1174-12** Practice for Using a Personal Computer Printer as a Test Instrument, **15.09**
- F1175-88(2011)** Practice for Using the Computer Impact Print-Out Unit as a Test Instrument for Manifold Comparison, **15.09**
- F1176 Withdrawn 2010; Practice for Design and Installation of Underground Thermoplastic Irrigation Systems With Maximum Working Pressure of 125 psi*
- F1177-02(2009)** Terminology Relating to Emergency Medical Services, **13.02**
- F1178-11** Specification for Performance of Enameling System, Baking, Metal Joiner Work and Furniture, **01.07**
- F1179-88(2007)** Practice for Inspection Procedure for Use of Anaerobic Thread Locking Compounds with Studs, **01.07**
- F1180 Not Assigned*
- F1181-09** Test Method for Measuring Binocular Disparity in Transparent Parts, **15.03**
- F1182-07(2013)** Specification for Anodes, Sacrificial Zinc Alloy, **01.07**
- F1183-96(2011)** Specification for Aluminum Alloy Chain Link Fence Fabric, **01.06**
- F1184-05(2010)** Specification for Industrial and Commercial Horizontal Slide Gates, **01.06**
- F1185-03(2014)** Specification for Composition of Hydroxylapatite for Surgical Implants, **13.01**
- F1186-03(2013)** Classification System for Chemicals According to Functional Groups, **11.03**
- F1187 Withdrawn 2000; Specification for Fixed Wing Basic Life Support Transport Units*
- F1188 Withdrawn 2003; Test Method for Interstitial Atomic Oxygen Content of Silicon by Infrared Absorption with Short Baseline*
- F1189 Withdrawn 1993; Test Method for Using Computer-Assisted Infrared Spectrophotometry to Measure the Interstitial Oxygen Content of Silicon Slices Polished on Both Sides*
- F1190-11** Guide for Neutron Irradiation of Unbiased Electronic Components, **10.04**
- F1191 Withdrawn 1993; Guide for Radiation Testing of Semiconductor Memories*
- F1192-11** Guide for the Measurement of Single Event Phenomena (SEP) Induced by Heavy Ion Irradiation of Semiconductor Devices, **10.04**
- F1193-14** Practice for Quality, Manufacture, and Construction of Amusement Rides and Devices, **15.07**
- F1194-99(2010)** Guide for Documenting the Results of Chemical Permeation Testing of Materials Used in Protective Clothing, **11.03**
- F1195 Withdrawn 2008; Specification for Rigid Laryngoscopes for Tracheal Intubation—Hook on Fittings for Fiberilluminated Blades and Handles*
- F1196-00(2013)** Specification for Sliding Watertight Door Assemblies, **01.07**
- F1197-00(2012)** Specification for Sliding Watertight Door Control Systems, **01.07**
- F1198-92(2012)<sup>1</sup>** Guide for Shipboard Fire Detection Systems, **01.07**
- F1199-88(2010)** Specification for Cast (All Temperatures and Pressures) and Welded Pipe Line Strainers (150 psig and 150°F Maximum), **01.07**
- F1200-88(2010)** Specification for Fabricated (Welded) Pipe Line Strainers (Above 150 psig and 150°F), **01.07**
- F1201-88(2010)** Specification for Fluid Conditioner Fittings in Piping Applications Above 0°F, **01.07**
- F1202-11** Specification for Washing Machines, Heat Sanitizing, Commercial, Pot, Pan, and Utensil Vertically Oscillating Arm Type, **15.12**

- F1203-11** Specification for Washing Machines Pot, Pan, and Utensil, Heat Sanitizing, Commercial Rotary Conveyor Type, **15.12**  
*F1204 Withdrawn 2002; Specification for Anesthesia Reservoir Bags; Replaced by ISO 5362*  
*F1205 Withdrawn 2008; Specification for Anesthesia Breathing Tubes*  
**F1206-94(2011)**<sup>1</sup> Test Method for Evaluating Color Image Output from Color Printers and Copiers, **15.09**  
**F1207M-12** Specification for Electrical Insulation Monitors for Monitoring Ground Resistance in Active Electrical Systems Metric, **01.07**  
*F1208 Withdrawn 2014; Specification for Minimum Performance and Safety Requirements for Anesthesia Breathing Systems*  
**F1209-14** Guide for Ecological Considerations for the Use of Oil Spill Dispersants in Freshwater and Other Inland Environments, Ponds and Sloughs, **11.05**  
**F1210-14** Guide for Ecological Considerations for the Use of Oil Spill Dispersants in Freshwater and Other Inland Environments, Lakes and Large Water Bodies, **11.05**  
*F1211 Withdrawn 2007; Specification for Semiconductor Device Passivation Opening Layouts*  
*F1212 Withdrawn 2008; Test Method for Thermal Stability Testing of Gallium Arsenide Wafers*  
*F1213 Withdrawn 1999; Test Method for Determining the Particle Contamination and Media Migration Characteristics of Liquid Filters by Optical Microscopy*  
*F1214 Withdrawn 1999; Test Method for Water Solubility in Liquid Petroleum Products by Karl Fischer Reagent*  
*F1215 Withdrawn 1999; Test Method for Determining the Initial Efficiency of a Flatsheet Filter Medium in an Airflow Using Latex Spheres*  
**F1216-09** Practice for Rehabilitation of Existing Pipelines and Conduits by the Inversion and Curing of a Resin-Impregnated Tube, **08.04**  
**F1217-11** Specification for Cooker, Steam, **15.12**  
**F1218-89(2014)** Specification for Bronchoscopes (Rigid), **13.02**  
*F1219 Withdrawn 2006; Guide for Training the Emergency Medical Technician (Basic) to Perform Patient Initial and Detailed Assessment*  
**F1220-95(2014)** Guide for Emergency Medical Services System (EMSS) Telecommunications, **13.02**  
**F1221-89(2014)** Guide for Interagency Information Exchange, **13.02**  
*F1222 Withdrawn 2000; Classification for Hardware for Wood Fencing*  
**F1223-14** Test Method for Determination of Total Knee Replacement Constraint, **13.01**  
*F1224 Withdrawn 2012; Guide for Providing System Evaluation for Emergency Medical Services*  
**F1225-99(2008)** Test Method for Measuring the Ribbon Exit Force for Film and Fabric Cartridges, **15.09**  
*F1226 Withdrawn 2002; Test Method for Calibration of Liquid-Borne Particle Counters for Submicrometer Particle Sizing*  
*F1227 Withdrawn 2000; Test Method for Total Mass Loss of Materials and Condensation of Outgassed Volatiles on Microelectronics-Related Substrates*  
*F1228 Withdrawn 2001; Test Method for Oxidizable (Organic) Carbon on Wafer Surfaces (By Persulfate)*  
**F1229-01(2012)** Guide for Qualification and Training of EMS Air Medical Patient Care Providers, **13.02**  
*F1230 Withdrawn 1997; Specification for Minimum Performance Requirements for Emergency Medical Service (EMS) Ground Vehicles*  
**F1231-14** Guide for Ecological Considerations for the Use of Oil Spill Dispersants in Freshwater and Other Inland Environments, Rivers and Creeks, **11.05**  
**F1232-98(2008)** Practice for Generating a Test Pattern for Single-Pass Film Ribbons, **15.09**  
**F1233-08(2013)** Test Method for Security Glazing Materials And Systems, **15.08**  
*F1234 Withdrawn 1995; Specification for Protective Coatings on Steel Framework for Fences; Replaced by F1043*  
**F1235-14** Consumer Safety Specification for Portable Hook-On Chairs, **15.11**  
**F1236-96(2012)** Guide for Visual Inspection of Electrical Protective Rubber Products, **10.03**  
**F1237-09** Specification for Commercial Dishwashing Machines, Multiple-Tank, Continuous Oval-Conveyor Type, Heat Sanitizing, **15.12**  
**F1238-95(2011)** Specification for Refractory Silicide Sputtering Targets for Microelectronic Applications, **10.04**  
*F1239 Withdrawn 2003; Test Method for Oxygen Precipitation Characteristics of Silicon Wafers by Measurement of Interstitial Oxygen Reduction*  
**F1240-01(2009)** Guide for Ranking Footwear Bottom Materials on Contaminated Walkway Surfaces According to Slip Resistance Test Results, **15.07**  
*F1241 Withdrawn 2003; Terminology of Silicon Technology*  
*F1242 Withdrawn 2002; Specification for Cuffed and Uncuffed Tracheal Tubes; Replaced by ANS/ISO 5361*  
*F1243 Withdrawn 2002; Specification for Tracheal Tube Connectors; Replaced by ANS/ISO 5361*  
**F1244-08(2013)** Specification for Berths, Marine, **01.07**  
**F1245-89(2012)** Specification for Faucets, Single and Double, Compression and Self-Closing Type, Shipboard, **01.07**  
*F1246 Withdrawn 2014; Specification for Electrically Powered Home Care Ventilators, Part 1—Positive-Pressure Ventilators and Ventilator Circuits*  
**F1247-89(2011)** Specification for Intrusion Resistant Generic Vault Structures, **15.08**  
*F1248 Withdrawn 2007; Test Method for Determination of Environmental Stress Crack Resistance (ESCR) of Polyethylene Pipe*
- F1249-13** Test Method for Water Vapor Transmission Rate Through Plastic Film and Sheeting Using a Modulated Infrared Sensor, **15.10**  
**F1250-13** Specification for Stationary Upright and Recumbent Exercise Bicycles and Upper Body Ergometers, **15.07**  
*F1251 Withdrawn 2012; Terminology Relating to Polymeric Biomaterials in Medical and Surgical Devices*  
**F1252-10** Test Method for Measuring Optical Reflectivity of Transparent Materials, **15.03**  
*F1253 Withdrawn 1999; Guide for Training the Emergency Medical Technician (Basic) to Perform Patient Secondary Assessment*  
*F1254 Withdrawn 2007; Practice for Performance of Prehospital Manual Defibrillation*  
**F1255-90(2008)** Practice for Performance of Prehospital Automated Defibrillation, **13.02**  
**F1256-13** Guide for Selection and Practice of Emergency Medical Services Instructor for Emergency Medical Technician (EMT) Training Programs, **13.02**  
**F1257-13** Guide for Selection and Practice of Emergency Medical Services Instructor for Advanced Emergency Medical Technician, **13.02**  
**F1258-95(2014)** Practice for Emergency Medical Dispatch, **13.02**  
*F1259M Withdrawn 2009; Guide for Design of Flat, Straight-Line Test Structures for Detecting Metallization Open-Circuit or Resistance-Increase Failure Due to Electromigration [Metric]*  
*F1260M Withdrawn 2009; Test Method for Estimating Electromigration Median Time-To-Failure and Sigma of Integrated Circuit Metallizations [Metric]*  
*F1261M Withdrawn 2009; Test Method for Determining the Average Electrical Width of a Straight, Thin-Film Metal Line (Metric)*  
**F1262M-95(2008)** Guide for Transient Radiation Upset Threshold Testing of Digital Integrated Circuits (Metric), **10.04**  
**F1263-11** Guide for Analysis of Overtest Data in Radiation Testing of Electronic Parts, **10.04**  
**F1264-03(2012)** Specification and Test Methods for Intramedullary Fixation Devices, **13.01**  
**F1265-03a(2013)** Test Method for Resistance to Impact for Resilient Floor Tile, **15.04**  
**F1266-89(2008)** Performance Specification for Cerebral Stereotactic Instruments, **13.01**  
**F1267-12** Specification for Metal, Expanded, Steel, **01.03**  
**F1268-90(2012)** Guide for Establishing and Operating a Public Information, Education, and Relations Program for Emergency Medical Service Systems, **13.02**  
**F1269-13** Test Methods for Destructive Shear Testing of Ball Bonds, **10.04**  
**F1270-97(2013)** Practice for Preparing and Locating Emergency Muster Lists, **01.07**  
**F1271-90(2012)** Specification for Spill Valves for Use in Marine Tank Liquid Overpressure Protections Applications, **01.07**  
*F1272 Not Assigned*  
**F1273-91(2013)** Specification for Tank Vent Flame Arresters, **01.07**  
*F1274 Withdrawn 2000; Specification for Fixed Wing Advanced Life Support Transport Units*  
**F1275-14** Test Method for Performance of Griddles, **15.12**  
**F1276-99(2009)** Test Method for Creep Relaxation of Laminated Composite Gasket Materials, **09.02**  
**F1277-02(2009)** Test Method for Determination of Leachable Chloride in Packing and Gasketing Materials by Ion-Selective Electrode Technique, **09.02**  
**F1278-96(2008)** Guide for Use and Handling of Flexible Retort Food Pouches in the Processing Environment, **15.10**  
**F1279-08(2014)** Guide for Ecological Considerations for the Restriction of the Use of Surface Washing Agents: Permeable Land Surfaces, **11.05**  
**F1280-14** Guide for Ecological Considerations for the Use of Surface Washing Agents: Impermeable Surfaces, **11.05**  
**F1281-11** Specification for Crosslinked Polyethylene/Aluminum/Crosslinked Polyethylene (PEX-AL-PEX) Pressure Pipe, **08.04**  
**F1282-10** Specification for Polyethylene/Aluminum/Polyethylene (PE-AL-PE) Composite Pressure Pipe, **08.04**  
*F1283 Withdrawn 2000; Specification for Fixed Wing Specialized Medical Transport Units*  
**F1284-09** Test Method for Evaluating Carpet Embedded Dirt Removal Effectiveness of Residential Central Vacuum Cleaning Systems, **15.08**  
**F1285-13** Guide for Training the Emergency Medical Technician to Perform Patient Examination Techniques, **13.02**  
**F1286-90(2009)** Guide for Development and Operation of Level 1 Pediatric Trauma Facilities, **13.02**  
**F1287-90(2012)** Guide for Scope of Performance of First Responders Who Provide Emergency Medical Care, **13.02**  
**F1288-90(2009)** Guide for Planning for and Response to a Multiple Casualty Incident, **13.02**  
*F1289 Withdrawn 2000; Practice for Development of Literature Pertaining to the Selection of Residential Resilient Floor Coverings*  
**F1290-98a(2011)** Practice for Electrofusion Joining Polyolefin Pipe and Fittings, **08.04**  
**F1291-10** Test Method for Measuring the Thermal Insulation of Clothing Using a Heated Manikin, **11.03**  
**F1292-13** Specification for Impact Attenuation of Surfacing Materials Within the Use Zone of Playground Equipment, **15.07**  
*F1293 Withdrawn 2000; Test Method for Evaluation of Coated Transparent Plastics Subjected to Cyclic Flexural/Thermal Fatigue*  
**F1294-97a(2009)** Terminology Relating to Automatic Identification Hard Copy Printing Systems, **15.09**

- F1295-11** Specification for Wrought Titanium-6Aluminum-7Niobium Alloy for Surgical Implant Applications (UNS R56700), **13.01**
- F1296-08** Guide for Evaluating Chemical Protective Clothing, **11.03**
- F1297-90(2012)** Guide for Location and Instruction Symbols for Evacuation and Lifesaving Equipment, **01.07**
- F1298-90(2012)** Specification for Flexible, Expansion-Type Ball Joints for Marine Applications, **01.07**
- F1299 Withdrawn 1997; Specification for Food Service Equipment Hoods for Cooking Appliances*
- F1300 Not Assigned*
- F1301-90(2011)<sup>1</sup>** Practice for Labeling Chemical Protective Clothing, **11.03**
- F1302 Withdrawn 1991; Practice for Abbreviated Marking of Plastic Consumer Products*
- F1303-04(2014)** Specification for Sheet Vinyl Floor Covering with Backing, **15.04**
- F1304-08(2013)** Test Method for Deflection of Resilient Floor Tile, **15.04**
- F1305 Withdrawn 2011; Guide for Classification of Amusement Ride and Device Related Injuries and Illnesses*
- F1306-90(2008)<sup>1</sup>** Test Method for Slow Rate Penetration Resistance of Flexible Barrier Films and Laminates, **15.10**
- F1307-02(2007)** Test Method for Oxygen Transmission Rate Through Dry Packages Using a Coulometric Sensor, **15.10**
- F1308-98(2014)** Test Method for Quantitating Volatile Extractables in Microwave Susceptors Used for Food Products, **15.10**
- F1309-98(2012)** Practice for Installation Procedures for Fitting Chocks to Marine Machinery Foundations, **01.07**
- F1310 Withdrawn 1996; Specification for 65-Gallon Dispensing Tank*
- F1311-90(2012)** Specification for Large-Diameter Fabricated Carbon Steel Flanges, **01.07**
- F1312-90(2013)** Specification for Brick, Insulating, High Temperature, Fire Clay, **01.07**
- F1313-90(2011)** Specification for Volatile N-Nitrosamine Levels in Rubber Nipples on Pacifiers, **15.11**
- F1314-13a<sup>1</sup>** Specification for Wrought Nitrogen Strengthened 22 Chromium-13 Nickel-5 Manganese-2.5 Molybdenum Stainless Steel Alloy Bar and Wire for Surgical Implants (UNS S20910), **13.01**
- F1315-00(2014)** Test Method for Density of a Sheet Gasket Material, **09.02**
- F1316-90(2013)** Test Method for Measuring the Transmissivity of Transparent Parts, **15.03**
- F1317-98(2012)** Test Method for Calibration of Microwave Ovens, **15.10**
- F1318-90(2009)** Test Method for Determination of Productivity Using Electrostatic Copy Machines with Various Configurations, **15.09**
- F1319-94(2011)** Test Method for Determination of Abrasion and Smudge Resistance of Images Produced from Business Copy Products (Crockmeter Method), **15.09**
- F1320-01(2011)** Test Method for Evaluating Thermal Paper Employing a Facsimile Thermal Printer as a Test Instrument, **15.09**
- F1321-13<sup>1</sup>** Guide for Conducting a Stability Test (Lightweight Survey and Inclining Experiment) to Determine the Light Ship Displacement and Centers of Gravity of a Vessel, **01.07**
- F1322-90(2009)** Guide for Selection of Shipboard Incinerators, **01.07**
- F1323-08** Specification for Shipboard Incinerators, **01.07**
- F1324 Not Assigned*
- F1325-91(2008)<sup>1</sup>** Specification for Stainless Steel Suture Needle Holders-General Workmanship Requirements and Corresponding Test Methods, **13.01**
- F1326-02(2011)** Test Method for Measuring Maximum Dry Volume of Utility Vacuum Cleaners, **15.08**
- F1327 Withdrawn 2007; Terminology Relating to Barrier Materials for Medical Packaging; Replaced by F17*
- F1328 Withdrawn 2006; Guide for Training Emergency Medical Technician (Basic) to Prepare Patients for Medical Transportation*
- F1329 Withdrawn 2006; Guide for Training the Emergency Medical Technician (Basic) in Basic Anatomy and Physiology*
- F1330-91(2012)** Guide for Metallic Abrasive Blasting to Descale the Interior of Pipe, **01.07**
- F1331-91(2012)** Practice for Installation Procedures of Vinyl Deck Coverings on Portable Plates in Electrical and Electronic Spaces, **01.07**
- F1332-99(2011)** Practice for Use of SI (Metric) Units in Maritime Applications (Committee F25 Supplement to IEEE/ASTM SI 10), **01.07**
- F1333-91(2013)** Specification for Construction of Fire and Foam Station Cabinets, **01.07**
- F1334-14** Test Method for Determining A-Weighted Sound Power Level of Vacuum Cleaners, **15.08**
- F1335 Withdrawn 2011; Specification for Pressure-Rated Composite Pipe and Fittings for Elevated Temperature Service*
- F1336-07** Specification for Poly(Vinyl Chloride) (PVC) Gasketed Sewer Fittings, **08.04**
- F1337-10** Practice for Human Systems Integration Program Requirements for Ships and Marine Systems, Equipment, and Facilities, **01.07**
- F1338-91(2013)** Guide for Main Propulsion Medium Speed Marine Diesel Engines Covering Performance and Minimum Scope of Assembly, **01.07**
- F1339-92(2008)** Guide for Organization and Operation of Emergency Medical Services Systems, **13.02**
- F1340 Withdrawn 1997; Test Method for Determining the Mean Interface Trap Density of MOSFETs by Charge-Pumping*
- F1341 Withdrawn 2006; Specification for Unalloyed Titanium Wire UNS R50250, UNS R50400, UNS R50550, UNS R50700, for Surgical Implant Applications*
- F1342/F1342M-05(2013)<sup>1</sup>** Test Method for Protective Clothing Material Resistance to Puncture, **11.03**
- F1343 Withdrawn 2011; Specification for Anesthetic Gas Scavenging Systems—Transfer and Receiving Systems*
- F1344-12<sup>1</sup>** Specification for Rubber Floor Tile, **15.04**
- F1345-10a** Specification for Zinc-5 % Aluminum-Mischmetal Alloy-Coated Steel Chain-Link Fence Fabric, **01.06**
- F1346-91(2010)** Performance Specification for Safety Covers and Labeling Requirements for All Covers for Swimming Pools, Spas and Hot Tubs, **15.11**
- F1347-91(2012)** Specification for Manually Operated Fueling Hose Reels, **01.07**
- F1348/F1348M-91(2013)** Specification for Pneumatic Rotary Descaling Machines, **01.07**
- F1349-08(2014)** Test Method for Nonvolatile Ultraviolet (UV) Absorbing Extractables from Microwave Susceptors, **15.10**
- F1350-08** Specification for Wrought 18Chromium-14Nickel-2.5Molybdenum Stainless Steel Surgical Fixation Wire (UNS S31673), **13.01**
- F1351-96(2013)** Practice for Determination of the Effect of Hard Creasing Paper on Images Produced by Business Imaging Systems, **15.09**
- F1352-08(2013)** Guide for Fixed Blade Broadhead Performance and Safety Standards, **15.07**
- F1353 Withdrawn 1995; Specification for Frozen Finely Ground Chicken*
- F1354 Withdrawn 1995; Specification for Frozen Precooked Imitation Crab Products*
- F1355-06(2014)** Guide for Irradiation of Fresh Agricultural Produce as a Phytosanitary Treatment, **12.02**
- F1356-08** Practice for Irradiation of Fresh and Frozen Red Meat and Poultry to Control Pathogens and Other Microorganisms, **12.02**
- F1357-09** Specification for Articulating Total Wrist Implants, **13.01**
- F1358-08** Test Method for Effects of Flame Impingement on Materials Used in Protective Clothing Not Designated Primarily for Flame Resistance, **11.03**
- F1359/F1359M-13** Test Method for Liquid Penetration Resistance of Protective Clothing or Protective Ensembles Under a Shower Spray While on a Mannequin, **11.03**
- F1360-06(2012)** Specification for Ovens, Microwave, Electric, **15.12**
- F1361-07(2013)** Test Method for Performance of Open Deep Fat Fryers, **15.12**
- F1362-13** Test Method for Shear Strength and Shear Modulus of Aerospace Glazing Interlayer Materials, **15.03**
- F1363-07(2011)** Guide for Reduction of Risk of Injury for Archery Overdraws, **15.07**
- F1364-03(2010)** Practice for Use of a Calibration Device to Demonstrate the Inspection Capability of an Interferometric Laser Imaging Nondestructive Tire Inspection System, **09.02**
- F1365-91(2013)** Test Method for Water Infiltration Resistance of Plastic Underground Conduit Joints Which Use Flexible Elastomeric Seals, **08.04**
- F1366 Withdrawn 2003; Test Method for Measuring Oxygen Concentration in Heavily Doped Silicon Substrates by Secondary Ion Mass Spectrometry*
- F1367-98(2011)** Specification for Chromium Sputtering Targets for Thin Film Applications, **10.04**
- F1368 Withdrawn 2000; Test Method for Determining the Sieving Performance of a Fluid Filter Medium Employing An Aqueous Suspension of Microspheres and a Spectrophotometer*
- F1369 Withdrawn 2002; Specification for Heaters, Convection, Steam and Hot Water*
- F1370-92(2011)** Specification for Pressure-Reducing Valves for Water Systems, Shipboard, **01.07**
- F1371-13** Specification for Vegetable Peeling Machines, Electric, **15.12**
- F1372-93(2012)** Test Method for Scanning Electron Microscope (SEM) Analysis of Metallic Surface Condition for Gas Distribution System Components, **10.04**
- F1373-93(2012)** Test Method for Determination of Cycle Life of Automatic Valves for Gas Distribution System Components, **10.04**
- F1374-92(2012)** Test Method for Ionic/Organic Extractables of Internal Surfaces-IC/GC/FTIR for Gas Distribution System Components, **10.04**
- F1375-92(2012)** Test Method for Energy Dispersive X-Ray Spectrometer (EDX) Analysis of Metallic Surface Condition for Gas Distribution System Components, **10.04**
- F1376-92(2012)** Guide for Metallurgical Analysis for Gas Distribution System Components, **10.04**
- F1377-13** Specification for Cobalt-28Chromium-6Molybdenum Powder for Coating of Orthopedic Implants (UNS R30075), **13.01**
- F1378-12** Specification for Shoulder Prostheses, **13.01**
- F1379-95(2013)** Terminology Relating to Barbed Tape, **01.06**
- F1380 Withdrawn 2008; Specification for Metal Insert Fittings for Polybutylene (PB) Tubing*
- F1381 Withdrawn 2008; Guide for Planning and Developing 9-1-1 Enhanced Telephone Systems*
- F1382 Withdrawn 2002; Specification for Search and Rescue Computer Software Information Exchange*
- F1383-12** Test Method for Permeation of Liquids and Gases through Protective Clothing Materials under Conditions of Intermittent Contact, **11.03**
- F1384 Withdrawn 2002; Test Method for Fire Tests of Marine Joiner Doors*
- F1385-07(2012)** Practice for Platforms in Cargo Tanks, **01.07**
- F1386-92(2010)** Guide for Construction of Sounding Tube and Striker Plate for Tank Sounding, **01.07**
- F1387-99(2012)** Specification for Performance of Piping and Tubing Mechanically Attached Fittings, **01.07**
- F1388 Withdrawn 2003; Test Method for Generation Lifetime and Generation*

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- F1389** *Withdrawn 2003; Test Method for Photoluminescence Analysis of Single Crystal Silicon for III-V Impurities*
- F1390** *Withdrawn 2003; Test Method for Measuring Warp on Silicon Wafers by Automated Noncontact Scanning*
- F1391** *Withdrawn 2003; Test Method for Substitutional Atomic Carbon Content of Silicon by Infrared Absorption*
- F1392** *Withdrawn 2003; Test Method for Determining Net Carrier Density Profiles in Silicon Wafers by Capacitance-Voltage Measurements With a Mercury Probe*
- F1393** *Withdrawn 2003; Test Method for Determining Net Carrier Density in Silicon Wafers by Miller Feedback Profiler Measurements With a Mercury Probe*
- F1394-92(2012)** Test Method for Determination of Particle Contribution from Gas Distribution System Valves, **10.04**
- F1395** *Not Assigned*
- F1396-93(2012)** Test Method for Determination of Oxygen Contribution by Gas Distribution System Components, **10.04**
- F1397-93(2012)** Test Method for Determination of Moisture Contribution by Gas Distribution System Components, **10.04**
- F1398-93(2012)** Test Method for Determination of Total Hydrocarbon Contribution by Gas Distribution System Components, **10.04**
- F1399** *Not Assigned*
- F1400** *Not Assigned*
- F1401** *Not Assigned*
- F1403** *Not Assigned*
- F1404-92(2007)** Test Method for Crystallographic Perfection of Gallium Arsenide by Molten Potassium Hydroxide (KOH) Etch Technique, **10.04**
- F1405-08(2013)** Test Method for Determining the Dynamic Thermal Response of Direct Thermal Imaging Products—Atlantek Method, **15.09**
- F1406** *Withdrawn 1995; Specification for Breaded, Cooked, Frozen Chicken Patties and Nuggets*
- F1407-12** Test Method for Resistance of Chemical Protective Clothing Materials to Liquid Permeation—Permeation Cup Method, **11.03**
- F1408-97(2013)** Practice for Subcutaneous Screening Test for Implant Materials, **13.01**
- F1409-00(2010)** Test Method for Straight Line Movement of Vacuum Cleaners While Cleaning Carpets, **15.08**
- F1410-98(2011)** Test Method for Measuring Maximum Functional Wet Volume of Utility Vacuum Cleaners, **15.08**
- F1411-11** Practice for Presenting Selected Information on Vacuum Cleaners for Consumer Use, **15.08**
- F1412-09** Specification for Polyolefin Pipe and Fittings for Corrosive Waste Drainage Systems, **08.04**
- F1413-07(2013)** Guide for Oil Spill Dispersant Application Equipment: Boom and Nozzle Systems, **11.05**
- F1414-13** Test Method for Measurement of Cut Resistance to Chain Saw in Lower Body (Legs) Protective Clothing, **11.03**
- F1415** *Withdrawn 2005; Specification for Pulse Oximeters*
- F1416-96(2014)** Guide for Selection of Time-Temperature Indicators, **15.10**
- F1417-11a** Practice for Installation Acceptance of Plastic Non-pressure Sewer Lines Using Low-Pressure Air, **08.04**
- F1418** *Withdrawn 2007; Guide for Training the Emergency Medical Technician (Basic) in Roles and Responsibilities*
- F1419** *Withdrawn 2006; Guide for Training the Emergency Medical Technician (Basic) To Manage Shock*
- F1420** *Withdrawn 2007; Training the Emergency Medical Technician (Basic) to Perform Patient Management Techniques*
- F1421** *Withdrawn 2007; Guide for Training the Emergency Medical Technician (Basic) To Manage Obstetrical Emergencies*
- F1422-08(2014)** Guide for Using the Incident Command System Framework in Managing Search and Rescue Operations, **13.02**
- F1423-09** Practice for Determination of the Quality of Monochrome Images Produced from Non-Impact Personal Computer Printers, **15.09**
- F1424-92(2011)** Test Method for Estimating Toner Usage in Full-Color Copiers Utilizing Dry Mono- or Dual-Component Toners, **15.09**
- F1425-06(2011)** Test Method for Determining the Tribocharge of Two-Component Developer Materials, **15.09**
- F1426-11** Practice for Identifying Tire Tread Surface Irregular Wear Patterns Resulting from Tire Use, **09.02**
- F1427-13** Consumer Safety Specification for Bunk Beds, **15.11**
- F1428-92(2011)** Specification for Aluminum Particle-Filled Basecoat/Organic or Inorganic Topcoat, Corrosion Protective Coatings for Fasteners, **01.08**
- F1429-99(2009)** Test Method for Assembly Force of Plastic Underground Conduit Joints That Use Flexible Elastomeric Seals Located in the Bell, **08.04**
- F1430/F1430M-10** Test Method for Acoustic Emission Testing of Insulated and Non-Insulated Aerial Personnel Devices with Supplemental Load Handling Attachments, **10.03**
- F1431-92(2010)** Specification for Water Trap for Diesel Exhaust, **01.07**
- F1432** *Not Assigned*
- F1433-97(2010)** Specification for Mechanically Refrigerated Shipboard Air Conditioner, **01.07**
- F1434-97(2013)** Practice for Estimating the Performance of a Fuser Oil in an Electrostatic Copier or Printer, **15.09**
- F1435-08(2013)** Specification for Designation of the Balance Point Location for Archery Arrows, **15.07**
- F1436-11** Guide for Center Serving Diameter Dimensions for Archery Bow Strings, **15.07**
- F1437** *Withdrawn 2010; Practice for Inclined Cargo Tank Ladders*
- F1438-93(2012)** Test Method for Determination of Surface Roughness by Scanning Tunneling Microscopy for Gas Distribution System Components, **10.04**
- F1439-03(2013)** Guide for Performance of Lifetime Bioassay for the Tumorigenic Potential of Implant Materials, **13.01**
- F1440** *Withdrawn 2012; Practice for Cyclic Fatigue Testing of Metallic Stemmed Hip Arthroplasty Femoral Components Without Torsion*
- F1441-03(2009)** Specification for Soft-Tissue Expander Devices, **13.01**
- F1442-92(2009)** Practice for Using a Copier or Printer as a Test Instrument for Evaluating Paper Performance, **15.09**
- F1443-93(2009)** Practice for Using 0.008-in. (0.203-mm) Aperture Reflectometers as Test Instruments for Measuring Visual Image Quality of Business Copy Images, **15.09**
- F1444-00(2009)** Test Method for Determining Dynamic Thermal Response of Direct Thermal Paper-Label Printer Method, **15.09**
- F1445-00(2009)** Test Method for Determining Static Thermal Sensitivity of Direct Thermal Media, **15.09**
- F1446-13** Test Methods for Equipment and Procedures Used in Evaluating the Performance Characteristics of Protective Headgear, **15.07**
- F1447-12** Specification for Helmets Used in Recreational Bicycling or Roller Skating, **15.07**
- F1448-12** Guide for Selection of Security Technology for Protection Against Counterfeiting, Alteration, Diversion, Duplication, Simulation, and Substitution (CADDSS) of Products or Documents, **15.08**
- F1449-08** Guide for Industrial Laundering of Flame, Thermal, and Arc Resistant Clothing, **11.03**
- F1450-12a** Test Methods for Hollow Metal Swinging Door Assemblies for Detention and Correctional Facilities, **15.08**
- F1451** *Withdrawn 2003; Test Method for Measuring Sori on Silicon Wafers by Automated Noncontact Scanning*
- F1452** *Withdrawn 2006; Specification for Minimum Performance and Safety Requirements for Anesthetic Gas Monitors*
- F1453-92(2012)** Guide for Training and Evaluation of First Responders Who Provide Emergency Medical Care, **13.02**
- F1454-99(2008)** Practice for Comparing Correctable Film Ribbons, **15.09**
- F1455-92(2011)** Guide for Selection of Structural Details for Ship Construction, **01.07**
- F1456** *Withdrawn 2006; Specification for Minimum Performance and Safety Requirements for Capnometers*
- F1457-94b(2011)** Terminology Relating to Laser Printers, **15.09**
- F1458-04(2008)** Test Method for Measurement of Cut Resistance to Chain Saw of Foot Protective Devices, **11.03**
- F1459-06(2012)** Test Method for Determination of the Susceptibility of Metallic Materials to Hydrogen Gas Embrittlement (HGE), **15.03**
- F1460-07(2013)** Practice for Calibrating Oil Spill Dispersant Application Equipment Boom and Nozzle Systems, **11.05**
- F1461-12** Practice for Chemical Protective Clothing Program, **11.03**
- F1462** *Withdrawn 2002; Specification for Oxygen Analyzers; Replaced by ANS/ISO 7767-1997*
- F1463** *Withdrawn 2006; Specification for Alarm Signals in Medical Equipment Used in Anesthesia and Respiratory Care*
- F1464** *Withdrawn 2014; Specification for Oxygen Concentrators for Domiciliary Use*
- F1465** *Withdrawn 2011; Guide for Selection of Security Control Systems*
- F1466-99(2010)** Specification for Iron-Nickel-Cobalt Alloys for Metal-to-Ceramic Sealing Applications, **10.04**
- F1467-11** Guide for Use of an X-Ray Tester ( $\approx 10$  keV Photons) in Ionizing Radiation Effects Testing of Semiconductor Devices and Microcircuits, **10.04**
- F1468-04a(2010)** Practice for Evaluation of Metallic Weapons Detectors for Controlled Access Search and Screening, **15.08**
- F1469-11** Guide for Conducting a Repeatability and Reproducibility Study on Test Equipment for Nondestructive Testing, **01.08**
- F1470-12** Practice for Fastener Sampling for Specified Mechanical Properties and Performance Inspection, **01.08**
- F1471-09** Test Method for Air Cleaning Performance of a High-Efficiency Particulate Air Filter System, **11.07**
- F1472-08<sup>1</sup>** Specification for Wrought Titanium-6Aluminum-4Vanadium Alloy for Surgical Implant Applications (UNS R56400), **13.01**
- F1473-13** Test Method for Notch Tensile Test to Measure the Resistance to Slow Crack Growth of Polyethylene Pipes and Resins, **08.04**
- F1474** *Withdrawn 2003; Test Method for Slow Crack Growth Resistance of Notched Polyethylene Plastic Pipe*
- F1475** *Withdrawn 1998; Specification for Dispensing Tanks, 250 Liter Maximum*
- F1476-07(2013)** Specification for Performance of Gasketed Mechanical Couplings for Use in Piping Applications, **01.07**
- F1477** *Not Assigned*
- F1478-06(2011)** Test Method for Determination of Abrasion Resistance of Images Produced from Copiers and Printers (Taber Method), **15.09**
- F1479** *Withdrawn 2007; Terminology Relating to Microwave Food Packaging; Replaced by F17*
- F1480** *Withdrawn 2000; Guide for Preparing a Chart for Presenting Residential Resilient Floor Covering Information to the Consumer*
- F1481** *Withdrawn 2010; Guide for Ecological Considerations for the Use of Bioremediation in Oil Spill Response—Sand and Gravel Beaches*
- F1482-04(2009)<sup>1</sup>** Practice for Installation and Preparation of Panel Type Underlayments to Receive Resilient Flooring, **15.04**

- F1483-12** Specification for Oriented Poly(Vinyl Chloride), PVCO, Pressure Pipe, **08.04**
- F1484-12** Test Methods for Performance of Steam Cookers, **15.12**  
*F1485 Not Assigned*
- F1486-96(2013)** Practice for Determination of Abrasion and Smudge Resistance of Images Produced from Office Products (GA-CAT Method), **15.09**
- F1487-11** Consumer Safety Performance Specification for Playground Equipment for Public Use, **15.11**
- F1488-09<sup>e1</sup>** Specification for Coextruded Composite Pipe, **08.04**  
*F1489 Withdrawn 2003; Guide for Performance of Patient Assessment by the Emergency Medical Technician (Paramedic)*  
*F1490 Withdrawn 2010; Terminology Relating to Search and Rescue*  
*F1491 Withdrawn 2007; Specification for an Avalanche Beacon Frequency*
- F1492-08** Specification for Helmets Used in Skateboarding and Trick Roller Skating, **15.07**
- F1493-93(2008)** Guide for Financing and Financial Accountability of Medical Transportation Systems, **13.02**
- F1494-13** Terminology Relating to Protective Clothing, **11.03**
- F1495-14a** Specification for Combination Oven Electric or Gas Fired, **15.12**
- F1496-13** Test Method for Performance of Convection Ovens, **15.12**  
*F1497 Withdrawn 2008; Test Method for Determining Laser Resistance of the Shaft of Tracheal Tubes*
- F1498-08(2012)<sup>e1</sup>** Specification for Taper Pipe Threads 60° for Thermoplastic Pipe and Fittings, **08.04**
- F1499-12** Specification for Coextruded Composite Drain, Waste, and Vent Pipe (DWV), **08.04**
- F1500-98(2014)** Test Method for Quantitating Non-UV-Absorbing Nonvolatile Extractables from Microwave Susceptors Utilizing Solvents as Food Simulants, **15.10**  
*F1501 Withdrawn 2000; Test Method for Tension Testing of Calcium Phosphate Coatings; Replaced by F1147*
- F1502-05(2010)** Test Method for Static Measurements on Tires for Passenger Cars, Light Trucks, and Medium Duty Vehicles, **09.02**
- F1503-02(2012)** Practice for Machine/Process Capability Study Procedure, **01.08**
- F1504-10** Specification for Folded Poly(Vinyl Chloride) (PVC) Pipe for Existing Sewer and Conduit Rehabilitation, **08.04**
- F1505-10** Specification for Insulated and Insulating Hand Tools, **10.03**
- F1506-10a** Performance Specification for Flame Resistant and Arc Rated Textile Materials for Wearing Apparel for Use by Electrical Workers Exposed to Momentary Electric Arc and Related Thermal Hazards, **10.03**
- F1507-99(2011)** Specification for Surge Suppressors for Shipboard Use, **01.07**
- F1508-96(2010)** Specification for Angle Style, Pressure Relief Valves for Steam, Gas, and Liquid Services, **01.07**
- F1509-94(2009)** Test Methods for Determining Acceptability of Ribbon Welds in Fabric Cartridges, **15.09**
- F1510-07(2013)** Specification for Rotary Positive Displacement Pumps, Ships Use, **01.07**
- F1511-13** Specification for Mechanical Seals for Shipboard Pump Applications, **01.07**
- F1512-94(2011)** Practice for Ultrasonic C-Scan Bond Evaluation of Sputtering, **10.04**
- F1513-99(2011)** Specification for Pure Aluminum (Unalloyed) Source Material for Electronic Thin Film Applications, **10.04**
- F1514-03(2013)** Test Method for Measuring Heat Stability of Resilient Flooring by Color Change, **15.04**
- F1515-03(2008)** Test Method for Measuring Light Stability of Resilient Flooring by Color Change, **15.04**
- F1516-13** Practice for Sealing Seams of Resilient Flooring Products by the Heat Weld Method (when Recommended), **15.04**
- F1517-14** Guide for Scope of Performance of Emergency Medical Services Ambulance Operators, **13.02**  
*F1518 Withdrawn 2009; Practice for Cleaning and Disinfection of Flexible Fiberoptic and Video Endoscopes Used in the Examination of the Hollow Viscera*
- F1519-98(2014)** Test Method for Qualitative Analysis of Volatile Extractables in Microwave Susceptors Used to Heat Food Products, **15.10**
- F1520-94(2008)** Test Method for Determining the Drive Torque for Film and Fabric Ribbon Cartridges, **15.09**
- F1521-12** Test Methods for Performance of Range Tops, **15.12**  
*F1522 Withdrawn 2007; Guide for Use of the Steam Stripping Process in Mitigating Chemical Spills*
- F1523-94(2013)** Guide for Selection of Booms in Accordance With Water Body Classifications, **11.05**
- F1524-95(2013)** Guide for Use of Advanced Oxidation Process for the Mitigation of Chemical Spills, **11.05**
- F1525/F1525M-09** Guide for Use of Membrane Technology in Mitigating Hazardous Chemical Spills, **11.05**  
*F1526 Withdrawn 2003; Test Method for Measuring Surface Metal Contamination on Silicon Wafers by Total Reflection X-Ray Fluorescence Spectroscopy*  
*F1527 Withdrawn 2003; Guide for Application of Certified Reference Materials and Reference Wafers for Calibration and Control of Instruments for Measuring Resistivity of Silicon*  
*F1528 Withdrawn 2003; Test Method for Measuring Boron Contamination in Heavily Doped N-Type Silicon Substrates by Secondary Ion Mass Spectrometry*  
*F1529 Withdrawn 2003; Test Method for Sheet Resistance Uniformity Evaluation by In-Line Four-Point Probe with the Dual-Configuration Procedure*
- F1530 Withdrawn 2003; Test Method for Measuring Flatness, Thickness, and Thickness Variation on Silicon Wafers by Automated Noncontact Scanning*
- F1531 Withdrawn 2003; Test Method for Comparing Printer or Copier Cartridges*
- F1532 Withdrawn 2001; Guide for Qualification, Selection, Training, Utilization, and Supervision of Security Screening Personnel*
- F1533-01(2009)** Specification for Deformed Polyethylene (PE) Liner, **08.04**
- F1534-10** Test Method for Determining Changes in Fire-Test-Response Characteristics of Cushioning Materials After Water Leaching, **15.08**  
*F1535 Withdrawn 2003; Test Method for Carrier Recombination Lifetime in Silicon Wafers by Noncontact Measurement of Photoconductivity Decay by Microwave Reflectance*
- F1536-95(2010)** Test Method for Determining Strength and Setting Time of Synthetic Water-Activated Polyurethane Fiberglass Orthopaedic Casting Tape, **13.01**
- F1537-11** Specification for Wrought Cobalt-28Chromium-6Molybdenum Alloys for Surgical Implants (UNS R31537, UNS R31538, and UNS R31539), **13.01**
- F1538-03(2009)** Specification for Glass and Glass Ceramic Biomaterials for Implantation, **13.01**  
*F1539 Withdrawn 2000; Test Method for Constant Amplitude Bending Fatigue Tests of Metallic Bone Staples; Replaced by F564*  
*F1540 Withdrawn 2000; Test Method for Pull-Out Fixation Strength of Metallic Bone Staples; Replaced by F564*
- F1541-02(2011)<sup>e1</sup>** Specification and Test Methods for External Skeletal Fixation Devices, **13.01**  
*F1542 Withdrawn 2009; Specification for Requirements and Disclosure of Self-Closing Aneurysm Clips*
- F1543-96(2007)** Specification for Shock Attenuation Properties of Fencing Surfaces, **15.07**
- F1544-11** Specification for Determining the Rating Velocities of a Compound Archery Bow, **15.07**
- F1545-97(2009)** Specification for Plastic-Lined Ferrous Metal Pipe, Fittings, and Flanges, **08.04**
- F1546-96(2012)<sup>e1</sup>** Specification for Fire Hose Nozzles, **01.07**
- F1547-09** Guide Listing Relevant Standards and Publications for Commercial Shipbuilding, **01.07**
- F1548-01(2012)** Specification for Performance of Fittings for Use with Gasketed Mechanical Couplings Used in Piping Applications, **01.07**
- F1549-94(2011)** Terminology Relating to Underwater Search, Rescue, and Recovery Activities, **13.02**
- F1550-10** Test Method for Determination of Fire-Test-Response Characteristics of Components or Composites of Mattresses or Furniture for Use in Correctional Facilities after Exposure to Vandalism, by Employing a Bench Scale Oxygen Consumption Calorimeter, **15.08**
- F1551-09** Test Methods for Comprehensive Characterization of Synthetic Turf Playing Surfaces and Materials, **15.07**
- F1552-94(2009)** Practice for Training Instructor Qualification and Certification Eligibility of Emergency Medical Dispatchers, **13.02**
- F1553-11** Guide for Specifying Chain Link Fence, **01.06**
- F1554-07a<sup>e1</sup>** Specification for Anchor Bolts, Steel, 36, 55, and 105-ksi Yield Strength, **01.08**
- F1555-94(2007)** Guide for Characteristics for Extremity Splints, **13.02**
- F1556-94(2007)** Guide for Spinal Immobilization and Extrication (SPINE) Device Characteristics, **13.02**
- F1557-94(2007)** Guide for Full Body Spinal Immobilization Devices (FBSID) Characteristics, **13.02**
- F1558-94(2007)** Guide for Characteristics for Adjunct Cervical Spine Immobilization Devices (ACSID), **13.02**
- F1559-94(2007)** Guide for Characteristics for Cervical Spine Immobilization Collar(s) (CSIC), **13.02**
- F1560-00(2014)** Practice for Emergency Medical Dispatch Management, **13.02**
- F1561-03(2008)** Performance Requirements for Plastic Chairs for Outdoor Use, **15.11**
- F1562-14** Guide for Use-Oriented Foreign Language Instruction, **15.11**
- F1563-01(2011)** Specification for Tools to Squeeze-off Polyethylene (PE) Gas Pipe or Tubing, **08.04**
- F1564-13** Specification for Structure-Mounted Insulating Work Platforms for Electrical Workers, **10.03**
- F1565-00(2013)** Specification for Pressure-Reducing Valves for Steam Service, **01.07**
- F1566-09** Test Methods for Evaluation of Innersprings, Boxsprings, Mattresses or Mattress Sets, **15.11**
- F1567-94(2013)** Specification for Fabricated or Cast Automatic Self-Cleaning, Fuel Oil and Lubricating Oil Strainers, **01.07**
- F1568-12** Specification for Food Processors, Electric, **15.12**  
*F1569 Withdrawn 2003; Guide for Generation of Consensus Reference Materials for Semiconductor Technology*  
*F1570 Withdrawn 2007; Test Method for Determining the Tactile Ratio of a Membrane Switch*
- F1571-95(2008)** Test Method for Determination of Abrasion and Smudge Resistance of Images Produced from Business Copy Products (Sutherland Method), **15.09**
- F1572-08** Test Methods for Tire Performance Testing on Snow and Ice Surfaces, **09.02**  
*F1573 Withdrawn 2009; Specification for Anesthetic Equipment—Oropharyngeal and Nasopharyngeal Airways*

- F1574-03a(2009)** Test Method for Compressive Strength of Gaskets at Elevated Temperatures, **09.02**
- F1575-03(2008)** Test Method for Determining Bending Yield Moment of Nails, **01.08**
- F1576 Withdrawn 1998; Guide for Selection of Security Control Systems, Part II—Defining the Central Control System; Replaced by F1465*
- F1577-05(2012)** Test Methods for Detention Locks for Swinging Doors, **15.08**
- F1578-07** Test Method for Contact Closure Cycling of a Membrane Switch, **10.04**
- F1579 Withdrawn 2011; Specification for Polyaryletherketone (PAEK) Polymers for Surgical Implant Applications*
- F1580-12** Specification for Titanium and Titanium-6 Aluminum-4 Vanadium Alloy Powders for Coatings of Surgical Implants, **13.01**
- F1581-08(2012)** Specification for Composition of Anorganic Bone for Surgical Implants, **13.01**
- F1582-98(2011)** Terminology Relating to Spinal Implants, **13.01**
- F1583-95(2012)** Practice for Communications Procedures—Phonetics, **13.02**
- F1584 Withdrawn 2012; Practice for Marking Buildings During Disaster Search Operations*
- F1585 Withdrawn 2006; Guide for Integrity Testing of Porous Barrier Medical Packages*
- F1586-13<sup>1</sup>** Specification for Wrought Nitrogen Strengthened 21Chromium—10Nickel—3Manganese—2.5Molybdenum Stainless Steel Alloy Bar for Surgical Implants (UNS S31675), **13.01**
- F1587-12a** Specification for Head and Face Protective Equipment for Ice Hockey Goaltenders, **15.07**
- F1588-96(2011)** Test Method for Constant Tensile Load Joint Test (CTLJT), **08.04**
- F1589 Withdrawn 2003; Test Method for Determination of the Critical Pressure for Rapid Crack Propagation in Plastic Pipe*
- F1590 Withdrawn 2003; Specification for Tracheostomy Tube Connectors; Replaced by F2288, F2289*
- F1591-95(2012)** Practice for Visual Signals Between Persons on the Ground and in Aircraft During Ground Emergencies, **13.02**
- F1592-12** Test Methods for Detention Hollow Metal Vision Systems, **15.08**
- F1593-08** Test Method for Trace Metallic Impurities in Electronic Grade Aluminum by High Mass-Resolution Glow-Discharge Mass Spectrometer, **10.04**
- F1594-95(2011)** Specification for Pure Aluminum (Unalloyed) Source Material for Vacuum Coating Applications, **10.04**
- F1595-00(2012)** Practice for Viewing Conditions for Visual Inspection of Membrane Switches, **10.04**
- F1596-07** Test Method for Exposure of Membrane Switches to Temperature and Relative Humidity, **10.04**
- F1597 Withdrawn 2008; Test Method for Determining the Actuation Force and Contact Force of a Membrane Switch; Replaced by F2592*
- F1598-95(2007)** Test Method for Determining the Effects of Chemical/Solvent Exposure to a Membrane Switch/Graphic Overlay (Spot Test Method), **10.04**
- F1599-95(2009)** Guide for Collecting Performance Data on Temporary Storage Devices, **11.05**
- F1600 Withdrawn 2014; Terminology Relating to Bioremediation*
- F1601-01(2011)** Test Method for Motor Life Evaluation of an Electric Motorized Nozzle for Central Vacuum Cleaning Systems, **15.08**
- F1602-12** Specification for Kettles, Steam-Jacketed, 20 to 200 gal (75.7 to 757 L), Floor or Wall Mounted, Direct Steam, Gas and Electric Heated, **15.12**
- F1603-12** Specification for Kettles, Steam-Jacketed, 32 oz to 20 gal (1 to 75.7 L), Tilting, Table Mounted, Direct Steam, Gas and Electric Heated, **15.12**
- F1604-09** Specification for Freezers, Ice Cream, Soft Serve, Shake, **15.12**
- F1605-14** Test Method for Performance of Double-Sided Griddles, **15.12**
- F1606-05** Practice for Rehabilitation of Existing Sewers and Conduits with Deformed Polyethylene (PE) Liner, **08.04**
- F1607-95(2013)** Guide for Reporting of Test Performance Data for Oil Spill Response Pumps, **11.05**
- F1608-00(2009)** Test Method for Microbial Ranking of Porous Packaging Materials (Exposure Chamber Method), **15.10**
- F1609-08(2014)** Specification for Calcium Phosphate Coatings for Implantable Materials, **13.01**
- F1610 Withdrawn 2000; Test method for Soft Tissue Fixation Strength of Metallic Bone Staples; Replaced by F564*
- F1611-00(2013)** Specification for Intramedullary Reamers, **13.01**
- F1612 Withdrawn 2011; Practice for Cyclic Fatigue Testing of Metallic Stemmed Hip Arthroplasty Femoral Components with Torsion*
- F1613-95(2008)<sup>1</sup>** Specification for Surgical Tissue/Dressing/Pick-Up Forceps (Thumb Type), **13.01**
- F1614** *Withdrawn 2014; Test Method for Shock Attenuating Properties of Materials Systems for Athletic Footwear; Replaced by F1976, 15.07*
- F1615-95(2009)** Specification for Cautionary Labeling for Five-Gallon Open-Head Plastic Containers, **15.11**
- F1616-95(2009)** Guide for Scope of Performance of First Responders Who Practice in the Wilderness or Delayed or Prolonged Transport Settings, **13.02**
- F1617 Withdrawn 2003; Test Method for Measuring Surface Sodium, Aluminum, Potassium, and Iron on Silicon and EPI Substrates by Secondary Ion Mass Spectrometry*
- F1618 Withdrawn 2003; Practice for Determination of Uniformity of Thin Films on Silicon Wafers*
- F1619 Withdrawn 2003; Test Method for Measurement of Interstitial Oxygen Content of Silicon Wafers by Infrared Absorption Spectroscopy with p-Polarized Radiation Incident at the Brewster Angle*
- F1620 Withdrawn 2003; Practice for Calibrating a Scanning Surface Inspection System Using Monodisperse Polystyrene Latex Spheres Deposited on Polished or Epitaxial Wafer Surfaces*
- F1621 Withdrawn 2003; Practice for Determining the Positional Accuracy Capabilities of a Scanning Surface Inspection System*
- F1622 Withdrawn 2001; Test Method for Measuring the Torsional Properties in Metallic Bone Screws; Replaced by F543*
- F1623-96(2013)** Terminology Relating to Thermal Imaging Products, **15.09**
- F1624-12** Test Method for Measurement of Hydrogen Embrittlement Threshold in Steel by the Incremental Step Loading Technique, **15.03**
- F1625-00(2012)** Specification and Test Method for Rear-Mounted Bicycle Child Carriers, **15.07**
- F1626 Withdrawn 2007; Practice for Preparing Shipboard Fire Control Plans*
- F1627 Withdrawn 2003; Specification for Tracheostomy Tubes—Pediatric Tracheostomy Tubes; Replaced by F2289*
- F1628 Withdrawn 2008; Specification for Labeling and Marking of Cuffed and Uncuffed Tracheal Tubes and Related Treatments Intended for Use During Laser Surgery*
- F1629-95(2007)** Guide for Establishing Operating Emergency Medical Services and Management Information Systems, or Both, **13.02**
- F1630 Withdrawn 2003; Test Method for Low Temperature FT-IR Analysis of Single Crystal Silicon for III-V Impurities*
- F1631 Withdrawn 2003; Test Method for Impact Attenuation Properties of Body Padding and Protective Wear for the Sport of Fencing*
- F1632-03(2010)** Test Method for Particle Size Analysis and Sand Shape Grading of Golf Course Putting Green and Sports Field Rootzone Mixes, **15.07**
- F1633-97(2008)** Guide for Techniques in Land Search, **13.02**
- F1634-95(2008)** Practice for *In-Vitro* Environmental Conditioning of Polymer Matrix Composite Materials and Implant Devices, **13.01**
- F1635-11** Test Method for *in vitro* Degradation Testing of Hydrolytically Degradable Polymer Resins and Fabricated Forms for Surgical Implants, **13.01**
- F1636 Withdrawn 2001; Specification for Bores and Cones for Modular Femoral Heads*
- F1637-13** Practice for Safe Walking Surfaces, **15.07**
- F1638-95(2008)<sup>1</sup>** Terminology for Surgical Tissue/Dressing/Pick-Up Forceps (Thumb-Type), **13.01**
- F1639 Withdrawn 2012; Test Method for Performance of Combination Ovens; Replaced by F2861*
- F1640-09** Guide for Selection and Use of Packaging Materials for Foods to Be Irradiated, **12.02**
- F1641 Withdrawn 2004; Test Method for Measuring Penetration Resistance of Security Glazing Using a Pendulum Impactor*
- F1642-12** Test Method for Glazing and Glazing Systems Subject to Airblast Loadings, **15.08**
- F1643-05(2012)** Test Methods for Detention Sliding Door Locking Device Assembly, **15.08**
- F1644 Withdrawn 2010; Guide for Health and Safety Training of Oil Spill Responders*
- F1645/F1645M-12** Test Method for Water Migration in Honeycomb Core Materials, **15.03**
- F1646-13** Terminology Relating to Safety and Traction for Footwear, **15.07**
- F1647-11** Test Methods for Organic Matter Content of Athletic Field Rootzone Mixes, **15.07**
- F1648-95(2013)** Test Methods for Archery Bowstring Component—Serving String Material, **15.07**
- F1649-13** Test Methods for Evaluating Wet Braking Traction Performance of Passenger Car Tires on Vehicles Equipped with Anti-Lock Braking Systems, **09.02**
- F1650-98(2014)<sup>1</sup>** Practice for Evaluating Tire Traction Performance Data Under Varying Test Conditions, **09.02**
- F1651-95(2009)** Guide for Training the Emergency Medical Technician (Paramedic), **13.02**
- F1652-95(2007)** Guide for Providing Essential Data Needed in Advance for Prehospital Emergency Medical Services, **13.02**
- F1653-95(2012)** Guide for Scope of Performance of Triage in a Prehospital Environment, **13.02**
- F1654-95(2012)** Guide for Training and Evaluation of Individuals Who are Responsible for or Perform Triage in a Prehospital Environment, **13.02**
- F1655-95(2013)** Guide for Training First Responders Who Practice in Wilderness, Delayed, or Prolonged Transport Settings, **13.02**
- F1656 Withdrawn 2010; Guide for Health and Safety Training of Oil Spill Responders in the United States*
- F1657/F1657M-96(2012)<sup>1</sup>** Practice for Emergency Joining of Booms with Incompatible Connectors, **11.05**
- F1658 Withdrawn 2000; Test Method for Shear Testing of Calcium Phosphate Coatings; Replaced by F1044*
- F1659 Withdrawn 2005; Test Method for Bending and Shear Fatigue Testing of Calcium Phosphate Coatings on Solid Metallic Substrates*
- F1660 Withdrawn 2000; Test Method for Elastic Static Bending of Metallic Bone Staples; Replaced by F564*
- F1661-09** Test Method for Determining the Contact Bounce Time of a Membrane Switch, **10.04**
- F1662-10** Test Method for Verifying the Specified Dielectric Withstand Voltage and Determining the Dielectric Breakdown Voltage of a Membrane Switch, **10.04**
- F1663-09** Test Method for Determining the Capacitance of a Membrane Switch, **10.04**
- F1664-08(2013)** Specification for Poly(Vinyl Chloride) (PVC) and Other

- Conforming Organic Polymer-Coated Steel Tension Wire Used with Chain-Link Fence, **01.06**
- F1665-08(2013)** Specification for Poly(Vinyl Chloride) (PVC) and Other Conforming Organic Polymer-Coated Steel Barbed Wire Used With Chain-Link Fence, **01.06**
- F1666 Withdrawn 2003; Specification for Adult Tracheostomy Tubes*
- F1667-11a<sup>1</sup>** Specification for Driven Fasteners: Nails, Spikes, and Staples, **01.08**
- F1668-08** Guide for Construction Procedures for Buried Plastic Pipe, **08.04**
- F1669M-12** Specification for Insulation Monitors for Shipboard Electrical Systems Metric, **01.07**
- F1670/F1670M-08(2014)<sup>1</sup>** Test Method for Resistance of Materials Used in Protective Clothing to Penetration by Synthetic Blood, **11.03**
- F1671/F1671M-13** Test Method for Resistance of Materials Used in Protective Clothing to Penetration by Blood-Borne Pathogens Using Phi-X174 Bacteriophage Penetration as a Test System, **11.03**
- F1672-14** Specification for Resurfacing Patellar Prosthesis, **13.01**
- F1673-10** Specification for Polyvinylidene Fluoride (PVDF) Corrosive Waste Drainage Systems, **08.04**
- F1674-11** Test Method for Joint Restraint Products for Use with PVC Pipe, **08.04**
- F1675-13** Practice for Life-Cycle Cost Analysis of Plastic Pipe Used for Culverts, Storm Sewers, and Other Buried Conduits, **08.04**
- F1676 Withdrawn 2010; Specification for Basic Tumbling Mats*
- F1677 Withdrawn 2006; Test Method for Using a Portable Inclineable Articulated Strut Slip Tester (PIAST)*
- F1678 Withdrawn 2005; Test Method for Using a Portable Articulated Strut Slip Tester (PAST)*
- F1679 Withdrawn 2006; Test Method for Using a Variable Incidence Tribometer (VIT)*
- F1680-07a** Test Method for Determining Circuit Resistance of a Membrane Switch, **10.04**
- F1681-14** Test Method for Determining Current Carrying Capacity of a Membrane Switch Circuit, **10.04**
- F1682 Withdrawn 2008; Test Method for Determining Travel of a Membrane Switch; Replaced by F2592*
- F1683-09** Practice for Creasing or Bending a Membrane Switch, Membrane Switch Flex Tail Assembly or Membrane Switch Component, **10.04**
- F1684-06(2011)** Specification for Iron-Nickel and Iron-Nickel-Cobalt Alloys for Low Thermal Expansion Applications, **10.04**
- F1685-00(2013)** Specification for Pressure-Reducing Manifolds for Air or Nitrogen Systems, **01.07**
- F1686-09<sup>F1</sup>** Guide for Surveys to Document and Assess Oiling Conditions on Shorelines, **11.05**
- F1687-09** Guide for Terminology and Indices to Describe Oiling Conditions on Shorelines, **11.05**
- F1688 Withdrawn 1999; Guide for Estimating Oil Spill Recovery System Effectiveness; Superseded by F 1780*
- F1689-05(2012)** Test Method for Determining the Insulation Resistance of a Membrane Switch, **10.04**
- F1690 Withdrawn 2013; Specification for Humidifiers for Medical Use—Part 1: General Requirements for Active Humidification Systems*
- F1691 Withdrawn 2001; Test Method for Determining the Axial Pull-Out Strength of Medical Bone Screws; Replaced by F543*
- F1692-01(2011)** Test Method for Life Evaluation of a Turbine-Powered Nozzle for Household Central Vacuum Cleaning Systems, **15.08**
- F1693-13** Guide for Consideration of Bioremediation as an Oil Spill Response Method on Land, **11.05**
- F1694-14** Guide for Composing Walkway Surface Investigation, Evaluation and Incident Report Forms for Slips, Stumbles, Trips, and Falls, **15.07**
- F1695-03(2008)** Test Method for Performance of Underfired Broilers, **15.12**
- F1696-07** Test Method for Energy Performance of Single-Rack, Door-Type Commercial Dishwashing Machines, **15.12**
- F1697-09** Specification for Poly(Vinyl Chloride) (PVC) Profile Strip for Machine Spiral-Wound Liner Pipe Rehabilitation of Existing Sewers and Conduit, **08.04**
- F1698-02(2008)** Practice for Installation of Poly(Vinyl Chloride)(PVC) Profile Strip Liner and Cementitious Grout for Rehabilitation of Existing Man-Entry Sewers and Conduits, **08.04**
- F1699-96(2008)** Classification for Passive Fiber Optic Seals, **10.08**
- F1700-13a** Specification for Solid Vinyl Floor Tile, **15.04**
- F1701-12** Specification for Unused Rope with Special Electrical Properties, **10.03**
- F1702-10** Test Method for Measuring Impact-Attenuation Characteristics of Natural Playing Surface Systems Using a Lightweight Portable Apparatus, **15.07**
- F1703-13** Guide for Skating and Ice Hockey Playing Facilities, **15.07**
- F1704-12** Test Method for Capture and Containment Performance of Commercial Kitchen Exhaust Ventilation Systems, **15.12**
- F1705-96(2012)** Guide for Training Emergency Medical Services Ambulance Operations, **13.02**
- F1706 Withdrawn 2008; Practice for Determining Energy Consumption of Nonimpact Personal Computer Printers; Replaced by F2494*
- F1707 Withdrawn 2008; Practice for Determining Energy Consumption of Facsimile Machines; Replaced by F2495*
- F1708 Withdrawn 2003; Practice for Evaluation of Granular Polysilicon by Melter-Zoner Spectroscopies*
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- F1710-08** Test Method for Trace Metallic Impurities in Electronic Grade Titanium by High Mass-Resolution Glow Discharge Mass Spectrometer, **10.04**
- F1711-96(2008)** Practice for Measuring Sheet Resistance of Thin Film Conductors for Flat Panel Display Manufacturing Using a Four-Point Probe Method, **10.04**
- F1712-11** Specification for Steel Chain-Link Fencing Materials Used for High Security Applications, **01.06**
- F1713-08(2013)** Specification for Wrought Titanium-13Niobium-13Zirconium Alloy for Surgical Implant Applications (UNS R58130), **13.01**
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- F1718-01(2013)** Specification for Rotary Positive Displacement Distillate Fuel Pumps, **01.07**
- F1719-96(2008)** Specification for Image-Interactive Stereotactic and Localization Systems, **13.01**
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- F1721-04(2009)** Practices for Determining Stability of Direct Thermal Imaging Products, **15.09**
- F1722-09** Test Method for Determining Mass and Moment of Inertia of Alpine Skis, **15.07**
- F1723 Withdrawn 2003; Practice for Evaluation of Polycrystalline Silicon Rods by Float-Zone Crystal Growth and Spectroscopy*
- F1724 Withdrawn 2003; Test Method for Measuring Surface Metal Contamination of Polycrystalline Silicon by Acid Extraction-Atomic Absorption Spectroscopy*
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- F1728-96(2014)** Practice for Multiple Persons Cold Water Survival/Rescue Technique: Huddle Position, **13.02**
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- F1731-96(2013)** Practice for Body Measurements and Sizing of Fire and Rescue Services Uniforms and Other Thermal Hazard Protective Clothing, **11.03**
- F1732-12** Specification for Poly(Vinyl Chloride) (PVC) Sewer and Drain Pipe Containing Recycled PVC Material, **08.04**
- F1733-13** Specification for Butt Heat Fusion Polyamide(PA) Plastic Fitting for Polyamide(PA) Plastic Pipe and Tubing, **08.04**
- F1734-03(2009)** Practice for Qualification of a Combination of Squeeze Tool, Pipe, and Squeeze-Off Procedures to Avoid Long-Term Damage in Polyethylene (PE) Gas Pipe, **08.04**
- F1735-09** Specification for Poly (Vinyl Chloride)(PVC) Profile Strip for PVC Liners for Rehabilitation of Existing Man-Entry Sewers and Conduits, **08.04**
- F1736-09** Guide for Irradiation of Finfish and Aquatic Invertebrates Used as Food to Control Pathogens and Spoilage Microorganisms, **12.02**
- F1737/F1737M-10** Guide for Use of Oil Spill Dispersant Application Equipment During Spill Response: Boom and Nozzle Systems, **11.05**
- F1738-10** Test Method for Determination of Deposition of Aerially Applied Oil Spill Dispersants, **11.05**
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- F1741-08** Practice for Installation of Machine Spiral Wound Poly (Vinyl Chloride) (PVC) Liner Pipe for Rehabilitation of Existing Sewers and Conduits, **08.04**
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- F1745 Withdrawn 1999; Test Method for External Fixator Connectors; Replaced by F1541*
- F1746 Withdrawn 1999; Test Method for Determining In-Plane Compressive Properties of Circular Ring or Ring Segment Bridge Elements; Replaced by F1541*
- F1747 Withdrawn 1999; Test Method for External Fixator Joints; Replaced by F1541*
- F1748 Withdrawn 1999; Test Method for External Fixator Subassemblies; Replaced by F1541*
- F1749-09** Specification for Fitness Equipment and Fitness Facility Safety Signage and Labels, **15.07**
- F1750-11** Specification for Paintball Marker Threaded-Propellant Source Interface, **15.07**
- F1751 Withdrawn 2003; Specification for Helmets Used in Recreational Roller Skating*
- F1752-96(2010)** Test Method for Archery Bow Component Cord Material, **15.07**

- F1753-96(2010)** Specification for Classification and Marking of Single-Lens Scopes for Use with Archery Bows, **15.07**  
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- F1759-97(2010)** Practice for Design of High-Density Polyethylene (HDPE) Manholes for Subsurface Applications, **08.04**
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- F1767-14** Guide for Forms Used for Search and Rescue, **13.02**
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- F1772-12** Specification for Harnesses for Rescue, Safety, and Sport Activities, **13.02**
- F1773-09** Terminology Relating to Climbing, Mountaineering, Search and Rescue Equipment and Practices, **13.02**
- F1774-13** Specification for Climbing and Mountaineering Carabiners, **13.02**  
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- F1777-12** Practice for Paintball Field Operation, **15.07**
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- F1779-08(2014)** Practice for Reporting Visual Observations of Oil on Water, **11.05**
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- F1782-97(2008)** Practice for Amount of Ink Deposit on Fabric Type Ribbons, **15.09**
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- F1784-97(2008)** Test Method for Performance of a Pasta Cooker, **15.12**
- F1785-97(2008)** Test Method for Performance of Steam Kettles, **15.12**
- F1786-97(2010)** Test Method for Performance of Braising Pans, **15.12**
- F1787-98(2008)** Test Method for Performance of Rotisserie Ovens, **15.12**
- F1788-14** Guide for In-Situ Burning of Oil Spills on Water: Environmental and Operational Considerations, **11.05**
- F1789-12a** Terminology for F16 Mechanical Fasteners, **01.08**
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- F1792-97(2010)** Specification for Special Requirements for Valves Used in Gaseous Oxygen Service, **01.07**
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- F1795-00(2013)** Specification for Pressure-Reducing Valves for Air or Nitrogen Systems, **01.07**
- F1796-09** Specification for High Voltage Detectors—Part 1 Capacitive Type to be Used for Voltages Exceeding 600 Volts AC, **10.03**
- F1797-09<sup>c1</sup>** Test Method for Acoustic Emission Testing of Insulated and Non-Insulated Digger Derricks, **10.03**
- F1798-13** Test Method for Evaluating the Static and Fatigue Properties of Interconnection Mechanisms and Subassemblies Used in Spinal Arthrodesis Implants, **13.01**
- F1799-97(2009)** Guide for Shipboard Generated Waste Management Audits, **01.07**
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- F1801-97(2009)<sup>c1</sup>** Practice for Corrosion Fatigue Testing of Metallic Implant Materials, **13.01**
- F1802-04(2010)** Test Method for Performance Testing of Excess Flow Valves, **08.04**
- F1803-06** Specification for Poly (Vinyl Chloride)(PVC) Closed Profile Gravity Pipe and Fittings Based on Controlled Inside Diameter, **08.04**
- F1804-08(2012)** Practice for Determining Allowable Tensile Load for Polyethylene (PE) Gas Pipe During Pull-In Installation, **08.04**
- F1805-12** Test Method for Single Wheel Driving Traction in a Straight Line on Snow- and Ice-Covered Surfaces, **09.02**
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- F1815-11** Test Methods for Saturated Hydraulic Conductivity, Water Retention, Porosity, and Bulk Density of Athletic Field Rootzones, **15.07**
- F1816-97(2009)** Safety Specification for Drawstrings on Childrens Upper Outerwear, **15.11**
- F1817-09** Test Method for Performance of Conveyor Ovens, **15.12**
- F1818-13** Specification for Foot Protection for Chain Saw Users, **11.03**
- F1819-07(2013)** Test Method for Resistance of Materials Used in Protective Clothing to Penetration by Synthetic Blood Using a Mechanical Pressure Technique, **11.03**
- F1820-13** Test Method for Determining the Forces for Disassembly of Modular Acetabular Devices, **13.01**
- F1821-13** Consumer Safety Specification for Toddler Beds, **15.11**  
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- F1823-97(2012)** Guide for Water Rescue Personal Flotation Device (PFD), **13.02**
- F1824-97(2013)** Guide for Performance of a Water Rescuer—Level II, **13.02**
- F1825-03(2013)** Specification for Clampstick Type Live Line Tools, **10.03**
- F1826-00(2011)** Specification for Live Line and Measuring Telescoping Tools, **10.03**
- F1827-13** Terminology Relating to Food Service Equipment, **15.12**
- F1828-97(2006)** Specification for Ureteral Stents, **13.01**
- F1829-98(2009)** Test Method for Static Evaluation of Glenoid Locking Mechanism in Shear, **13.01**
- F1830-97(2013)** Practice for Selection of Blood for in vitro Evaluation of Blood Pumps, **13.01**
- F1831-97(2006)** Specification for Cranial Traction Tongs and Halo External Spinal Immobilization Devices, **13.01**
- F1832-07(2011)** Test Method for Determining the Force-Draw and Let-Down Curves for Archery Bows, **15.07**
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- F1835-97(2012)<sup>c1</sup>** Guide for Cable Splicing Installations, **01.07**
- F1836M-09(2013)** Specification for Stuffing Tubes, Nylon, and Packing Assemblies (Metric), **01.07**
- F1837M-97(2012)<sup>c1</sup>** Specification for Heat-Shrink Cable Entry Seals (Metric), **01.07**
- F1838-98(2008)** Performance Requirements for Child's Plastic Chairs for Outdoor Use, **15.11**
- F1839-08(2012)** Specification for Rigid Polyurethane Foam for Use as a Standard Material for Testing Orthopaedic Devices and Instruments, **13.01**
- F1840-10<sup>c1</sup>** Terminology for Surgical Suture Needles, **13.01**
- F1841-97(2013)** Practice for Assessment of Hemolysis in Continuous Flow Blood Pumps, **13.01**
- F1842-09** Test Method for Determining Ink or Coating Adhesion on Plastic Substrates for Membrane Switch Applications, **10.04**
- F1843-09** Practice for Sample Preparation of Transparent Plastic Films used on Membrane Switch Overlays for Specular Gloss Measurements, **10.04**
- F1844-97(2008)** Practice for Measuring Sheet Resistance of Thin Film Conductors For Flat Panel Display Manufacturing Using a Noncontact Eddy Current Gage, **10.04**
- F1845-08** Test Method for Trace Metallic Impurities in Electronic Grade Aluminum-Copper, Aluminum-Silicon, and Aluminum-Copper-Silicon Alloys by High-Mass-Resolution Glow Discharge Mass Spectrometer, **10.04**
- F1846-98(2014)** Practice for Symbols and Markings for Use With Land Search Maps, **13.02**
- F1847-14** Guide for Minimum Training of Search Dog Crews or Teams, **13.02**
- F1848-14** Classification System for Canine Search Resources, **13.02**
- F1849-07(2012)** Specification for Helmets Used in Short Track Speed Ice Skating (Not to Include Hockey), **15.07**  
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- F1851-98(2009)** Practice for Bar Code Verification, **15.09**
- F1852-11** Specification for "Twist Off" Type Tension Control Structural Bolt/Nut/Washer Assemblies, Steel, Heat Treated, 120/105 ksi Minimum Tensile Strength, **01.08**



- F1853-11** Test Method for Measuring Sleeping Bag Packing Volume, **15.07**  
**F1854-09** Test Method for Stereological Evaluation of Porous Coatings on Medical Implants, **13.01**  
**F1855-00(2011)** Specification for Polyoxymethylene (Acetal) for Medical Applications, **13.01**  
**F1856-04(2009)** Practice for Determining Toner Usage for Printer Cartridges, **15.09**  
**F1857-01(2011)** Terminology Relating to Ink Jet Printers and Images Made Therefrom, **15.09**  
**F1858-98(2008)** Performance Requirements for Multipositional Plastic Chairs with Adjustable Backs or Reclining Mechanisms for Outdoor Use, **15.11**  
**F1859-12** Specification for Rubber Sheet Floor Covering Without Backing, **15.04**  
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**F1861-08(2012)<sup>1</sup>** Specification for Resilient Wall Base, **15.04**  
**F1862/F1862M-13** Test Method for Resistance of Medical Face Masks to Penetration by Synthetic Blood (Horizontal Projection of Fixed Volume at a Known Velocity), **11.03**  
**F1863-10** Test Method for Measuring the Night Vision Goggle-Weighted Transmissivity of Transparent Parts, **15.03**  
**F1864-05(2010)** Test Method for Dust Erosion Resistance of Optical and Infrared Transparent Materials and Coatings, **15.03**  
**F1865-09** Specification for Mechanical Cold Expansion Insert Fitting With Compression Sleeve for Cross-linked Polyethylene (PEX) Tubing, **08.04**  
**F1866-13** Specification for Poly (Vinyl Chloride) (PVC) Plastic Schedule 40 Drainage and DWV Fabricated Fittings, **08.04**  
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**F1872-12** Guide for Use of Chemical Shoreline Cleaning Agents: Environmental and Operational Considerations, **11.05**  
**F1873** *Withdrawn 2007; Specification for High-Purity Dense Yttria Tetragonal Zirconium Oxide Polycrystal (Y-TZP) for Surgical Implant Applications*  
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**F1876** *Withdrawn 2012; Specification for Polyetherketoneetherketoneketone (PEKEKK) Resins for Surgical Implant Applications*  
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**F1879** *Withdrawn 2014; Guide for Demonstrating Obedience and Agility in Search and Rescue Dogs*  
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**F1881** *Withdrawn 2014; Test Method for Measuring Baseball Bat Performance Factor; Replaced by F1890, 15.07*  
**F1882-06** Specification for Residential Basketball Systems, **15.07**  
**F1883-03(2013)** Practice for Selection of Wire and Cable Size in AWG or Metric Units, **01.07**  
**F1884-04(2011)** Test Methods for Determining Residual Solvents in Packaging Materials, **15.10**  
**F1885-04(2010)** Guide for Irradiation of Dried Spices, Herbs, and Vegetable Seasonings to Control Pathogens and Other Microorganisms, **12.02**  
**F1886/F1886M-09(2013)** Test Method for Determining Integrity of Seals for Flexible Packaging by Visual Inspection, **15.10**  
**F1887-14** Test Method for Measuring the Coefficient of Restitution (COR) of Baseballs and Softballs, **15.07**  
**F1888-09(2014)** Test Method for Compression-Displacement of Baseballs and Softballs, **15.07**  
**F1889-05(2010)** Guide for Straightness Measurement of Arrow Shafts, **15.07**  
**F1890-11** Test Method for Measuring Softball Bat Performance Factor, **15.07**  
**F1891-12** Specification for Arc and Flame Resistant Rainwear, **10.03**  
**F1892-12** Guide for Ionizing Radiation (Total Dose) Effects Testing of Semiconductor Devices, **10.04**  
**F1893-11** Guide for Measurement of Ionizing Dose-Rate Survivability and Burnout of Semiconductor Devices, **10.04**  
**F1894-98(2011)** Test Method for Quantifying Tungsten Silicide Semiconductor Process Films for Composition and Thickness, **10.04**  
**F1895-14** Test Method for Submersion of a Membrane Switch, **10.04**  
**F1896-10** Test Method for Determining the Electrical Resistivity of a Printed Conductive Material, **10.04**  
**F1897-14** Specification for Leg Protection for Chain Saw Users, **11.03**  
**F1898-08** Specification for Helmets for Non-Motorized Wheeled Vehicle Used by Infants and Toddlers, **15.07**  
**F1899-14** Specification for Food Waste Pulper Without Waterpress Assembly, **15.12**  
**F1900-98(2012)** Test Method for Water Resistance of Footwear Using a Walking Step Simulator, **15.07**  
**F1901-10** Specification for Polyethylene (PE) Pipe and Fittings for Roof Drain Systems, **08.04**  
**F1902** *Not Assigned*

- F1903-10** Practice for Testing For Biological Responses to Particles, **13.01**  
**F1904-14** Practice for Testing the Biological Responses to Particles, **13.01**  
**F1905** *Withdrawn 2011; Practice for Selecting Tests for Determining the Propensity of Materials to Cause Immunotoxicity*  
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**F1909-98(2012)** Specification for Preformed Open-Cell Sponge Rubber Pail and Drum Gaskets, **09.02**  
**F1910-98(2013)** Specification for Long Barbed Tape Obstacles, **01.06**  
**F1911-05(2010)** Practice for Installation of Barbed Tape, **01.06**  
**F1912-98(2009)** Specification for Safety of Bean Bag Chairs, **15.11**  
**F1913-04(2010)** Specification for Vinyl Sheet Floor Covering Without Backing, **15.04**  
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**F1916** *Withdrawn 2008; Specifications for Selecting Chain Link Barrier Systems With Coated Chain Link Fence Fabric and Round Posts for Detention Applications*  
**F1917-12** Consumer Safety Performance Specification for Infant Bedding and Related Accessories, **15.11**  
**F1918-12** Safety Performance Specification for Soft Contained Play Equipment, **15.11**  
**F1919-14** Specification for Griddles, Single-Sided and Double-Sided, Gas and Electric, **15.12**  
**F1920-11** Test Method for Performance of Rack Conveyor, Commercial Dishwashing Machines, **15.12**  
**F1921/F1921M-12<sup>c1</sup>** Test Methods for Hot Seal Strength (Hot Tack) of Thermoplastic Polymers and Blends Comprising the Sealing Surfaces of Flexible Webs, **15.10**  
**F1922-98(2014)** Test Method for Tires, Pneumatic, Vehicular, Highway, **09.02**  
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**F1924-12** Specification for Plastic Mechanical Fittings for Use on Outside Diameter Controlled Polyethylene Gas Distribution Pipe and Tubing, **08.04**  
**F1925-09** Specification for Semi-Crystalline Poly(lactide) Polymer and Copolymer Resins for Surgical Implants, **13.01**  
**F1926/F1926M-14** Test Method for Dissolution Testing of Calcium Phosphate Granules, Fabricated Forms, and Coatings, **13.01**  
**F1927-07** Test Method for Determination of Oxygen Gas Transmission Rate, Permeability and Permeance at Controlled Relative Humidity Through Barrier Materials Using a Coulometric Detector, **15.10**  
**F1928-98(2010)** Safety Guide for Consumer Recreational Use of Fun-Karts, **15.11**  
**F1929-12** Test Method for Detecting Seal Leaks in Porous Medical Packaging by Dye Penetration, **15.10**  
**F1930-13** Test Method for Evaluation of Flame Resistant Clothing for Protection Against Fire Simulations Using an Instrumented Manikin, **11.03**  
**F1931** *Withdrawn 2011; Test Method for Characterization of Gymnastic Landing Mats and Floor Exercise Surfaces*  
**F1932/F1932M-98(2011)<sup>c1</sup>** Test Method for Measuring Sleeping Bag Loft, **15.07**  
**F1933-98(2011)** Specification for Illustrating the Footprint of a Backpacking or Mountaineering Tent, **15.07**  
**F1934-98(2011)** Test Method for Weighing a Backpacking or Mountaineering Tent, **15.07**  
**F1935-01(2011)** Test Method for Measuring the Headroom of a Backpacking or Mountaineering Tent, **15.07**  
**F1936-10** Specification for Impact Attenuation of Turf Playing Systems as Measured in the Field, **15.07**  
**F1937-04(2010)** Specification for Body Protectors Used in Horse Sports and Horseback Riding, **15.07**  
**F1938-98(2009)** Guide for Safer Use of Movable Soccer Goals, **15.11**  
**F1939-08** Test Method for Radiant Heat Resistance of Flame Resistant Clothing Materials with Continuous Heating, **11.03**  
**F1940-07a** Test Method for Process Control Verification to Prevent Hydrogen Embrittlement in Plated or Coated Fasteners, **01.08**  
**F1941-10** Specification for Electrodeposited Coatings on Threaded Fasteners (Unified Inch Screw Threads (UN/UNR)), **01.08**  
**F1941M-07** Specification for Electrodeposited Coatings on Threaded Fasteners (Metric), **01.08**  
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- F2192-05(2011)** Test Method for Determining and Reporting the Berthing Energy and Reaction of Marine Fenders, **01.07**
- F2193-02(2007)** Specifications and Test Methods for Components Used in the Surgical Fixation of the Spinal Skeletal System, **13.01**
- F2194-13a** Consumer Safety Specification for Bassinets and Cradles, **15.11**
- F2195-13** Specification for Linoleum Floor Tile, **15.04**
- F2199-09(2014)** Test Method for Determining Dimensional Stability of Resilient Floor Tile after Exposure to Heat, **15.04**
- F2200-13** Specification for Automated Vehicular Gate Construction, **01.06**
- F2201-10** Consumer Safety Specification for Utility Lighters, **15.11**
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- F2203-13** Test Method for Linear Measurement Using Precision Steel Rule, **15.10**
- F2204-09** Guide for Describing Shoreline Response Techniques, **11.05**
- F2205-07(2013)** Guide for Ecological Considerations for the Use of Chemical Dispersants in Oil Spill Response: Tropical Environments, **11.05**
- F2206-11** Specification for Fabricated Fittings of Butt-Fused Polyethylene (PE) Plastic Pipe, Fittings, Sheet Stock, Plate Stock, or Block Stock, **08.04**
- F2207-06(2013)** Specification for Cured-in-Place Pipe Lining System for Rehabilitation of Metallic Gas Pipe, **08.04**
- F2208-08(2014)** Safety Specification for Residential Pool Alarms, **15.11**
- F2209-10** Guide for Training of Level I Land Search Team Member, **13.02**
- F2210-02(2010)** Guide for Processing Cells, Tissues, and Organs for Use in Tissue Engineered Medical Products, **13.01**
- F2211-13** Classification for Tissue Engineered Medical Products (TEMPs), **13.01**
- F2212-11** Guide for Characterization of Type I Collagen as Starting Material for Surgical Implants and Substrates for Tissue Engineered Medical Products (TEMPs), **13.01**
- F2213-06(2011)** Test Method for Measurement of Magnetically Induced Torque on Medical Devices in the Magnetic Resonance Environment, **13.01**
- F2214-02(2008)** Test Method for *In Situ* Determination of Network Parameters of Crosslinked Ultra High Molecular Weight Polyethylene (UHMWPE), **13.01**
- F2215-08** Specification for Balls, Bearings, Ferrous and Nonferrous for Use in Bearings, Valves, and Bearing Applications, **01.08**
- F2216-12** Specification for Selectorized Strength Equipment, **15.07**
- F2217/F2217M-13** Practice for Coating/Adhesive Weight Determination, **15.10**
- F2218-02(2008)** Guide for Hardware Implementation for Computerized Systems, **01.07**
- F2219-14** Test Methods for Measuring High-Speed Bat Performance, **15.07**
- F2220-12** Specification for Headforms, **15.07**
- F2223-10** Guide for ASTM Standards on Playground Surfacing, **15.07**
- F2224-09(2014)** Specification for High Purity Calcium Sulfate Hemihydrate or Dihydrate for Surgical Implants, **13.01**
- F2225-13** Safety Specification for Consumer Trampoline Enclosures, **15.07**
- F2226-03(2009)<sup>c1</sup>** Practice for Determining the Adhesion of Prints and Laminating Films, **15.09**
- F2227-13** Test Method for Non-Destructive Detection of Leaks in Non-sealed and Empty Packaging Trays by CO2 Tracer Gas Method, **15.10**
- F2228-13** Test Method for Non-Destructive Detection of Leaks in Packaging Which Incorporates Porous Barrier Material by CO2 Tracer Gas Method, **15.10**
- F2229-12** Specification for Wrought, Nitrogen Strengthened 23Manganese-21Chromium-1Molybdenum Low-Nickel Stainless Steel Alloy Bar and Wire for Surgical Implants (UNS S29108), **13.01**
- F2230-08** Guide for In-situ Burning of Oil Spills on Water: Ice Conditions, **11.05**
- F2231-02(2013)** Test Method for Charpy Impact Test on Thin Specimens of Polyethylene Used in Pressurized Pipes, **08.04**
- F2232-14** Test Method for Determining the Longitudinal Load Required to Detach High Heels from Footwear, **15.07**
- F2233-03(2009)** Guide for Safety, Access Rights, Construction, Liability, and Risk Management for Optical Fiber Networks in Existing Sewers, **04.12**
- F2234-08** Specification for Spill Resistant Fueling Systems for Portable Fuel Containers for Consumer Use, **15.11**
- F2236-14** Consumer Safety Specification for Soft Infant and Toddler Carriers, **15.11**
- F2237-03(2008)** Test Method for Performance of Upright Overfired Broilers, **15.12**
- F2238-09** Test Method for Performance of Rapid Cook Ovens, **15.12**
- F2239-10** Test Method for Performance of Conveyor Broilers, **15.12**
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- F2241-13** Specification for Continued Airworthiness System for Powered Parachute Aircraft, **15.11**
- F2242-05(2013)** Specification for Production Acceptance Testing System for Powered Parachute Aircraft, **15.11**
- F2243-11(2013)** Specification for Required Product Information to be Provided with Powered Parachute Aircraft, **15.11**
- F2244-13** Specification for Design and Performance Requirements for Powered Parachute Aircraft, **15.11**
- F2245-13b** Specification for Design and Performance of a Light Sport Airplane, **15.11**
- F2246-06(2013)** Specification for Bearing, Roller, Needle: Thick Outer Ring With Rollers and Cage, **01.08**
- F2247-11** Test Method for Metal Doors Used in Blast Resistant Applications (Equivalent Static Load Method), **15.08**
- F2248-12** Practice for Specifying an Equivalent 3-Second Duration Design Loading for Blast Resistant Glazing Fabricated with Laminated Glass, **15.08**
- F2249-03(2009)** Specification for In-Service Test Methods for Temporary Grounding Jumper Assemblies Used on De-Energized Electric Power Lines and Equipment, **10.03**
- F2250-13** Practice for Evaluation of Chemical Resistance of Printed Inks and Coatings on Flexible Packaging Materials, **15.10**
- F2251-13** Test Method for Thickness Measurement of Flexible Packaging Material, **15.10**
- F2252/F2252M-13<sup>c1</sup>** Practice for Evaluating Ink or Coating Adhesion to Flexible Packaging Materials Using Tape, **15.10**
- F2255-05(2010)** Test Method for Strength Properties of Tissue Adhesives in

- Lap-Shear by Tension Loading, **13.01**
- F2256-05(2010)** Test Method for Strength Properties of Tissue Adhesives in T-Peel by Tension Loading, **13.01**
- F2257-09** Specification for Wrought Seamless or Welded and Drawn 18 Chromium-14Nickel-2.5Molybdenum Stainless Steel Small Diameter Tubing for Surgical Implants (UNS S31673), **13.01**
- F2258-05(2010)** Test Method for Strength Properties of Tissue Adhesives in Tension, **13.01**
- F2259-10(2012)<sup>1</sup>** Test Method for Determining the Chemical Composition and Sequence in Alginate by Proton Nuclear Magnetic Resonance (<sup>1</sup>H NMR) Spectroscopy, **13.01**
- F2260-03(2012)<sup>1</sup>** Test Method for Determining Degree of Deacetylation in Chitosan Salts by Proton Nuclear Magnetic Resonance (<sup>1</sup>H NMR) Spectroscopy, **13.01**
- F2261-06(2011)** Test Method for Pressure Rating Poly(Vinyl Chloride) (PVC) Plastic Pipe Fittings, Schedule 40 and 80 Socket-Type, **08.04**
- F2262-09** Specification for Crosslinked Polyethylene/Aluminum/Crosslinked Polyethylene Tubing OD Controlled SDR9, **08.04**
- F2263-07(2011)** Test Method for Evaluating the Oxidative Resistance of Polyethylene (PE) Pipe to Chlorinated Water, **08.04**
- F2264-14** Consumer Safety Specification for Non-Powered Scooters, **15.11**
- F2266-03(2008)<sup>1</sup>** Specification for Masses Used in Testing Rescue Systems and Components, **13.02**
- F2267-04(2011)** Test Method for Measuring Load Induced Subsidence of Intervertebral Body Fusion Device Under Static Axial Compression, **13.01**
- F2268-03(2010)** Specification for Bicycle Serial Numbers, **15.07**
- F2269-11** Guide for Maintaining Warm Season Turfgrasses on Athletic Fields, **15.07**
- F2270-12** Guide for Construction and Maintenance of Warning Track Areas on Athletic Fields, **15.07**
- F2271-11** Specification for Paintball Marker Barrel Blocking Devices, **15.07**
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- F2273-11** Test Methods for Bicycle Forks, **15.07**
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- F2275-10** Practice for Treestand Manufacturer Quality Assurance Program, **15.07**
- F2276-10** Specification for Fitness Equipment, **15.07**
- F2277-12** Test Methods for Evaluating Design and Performance Characteristics of Selectorized Strength Equipment, **15.07**
- F2278-10a(2014)** Test Method for Evaluating Paintball Barrier Netting, **15.07**
- F2279-10** Practice for Quality Assurance in the Manufacture of Fixed Wing Light Sport Aircraft, **15.11**
- F2280-12** Specification for "Twist Off" Type Tension Control Structural Bolt/Nut/Washer Assemblies, Steel, Heat Treated, 150 ksi Minimum Tensile Strength, **01.08**
- F2281-04(2012)** Specification for Stainless Steel and Nickel Alloy Bolts, Hex Cap Screws, and Studs, for Heat Resistance and High Temperature Applications, **01.08**
- F2282-03(2009)<sup>1</sup>** Specification for Quality Assurance Requirements for Carbon and Alloy Steel Wire, Rods, and Bars for Mechanical Fasteners, **01.08**
- F2283-12** Specification for Shipboard Oil Pollution Abatement System, **01.07**
- F2285-04(2010)** Consumer Safety Performance Specification for Diaper Changing Tables for Commercial Use, **15.11**
- F2286-05(2013)** Design and Performance Specification for Removable Mesh Fencing for Swimming Pools, Hot Tubs, and Spas, **15.11**
- F2291-14** Practice for Design of Amusement Rides and Devices, **15.07**
- F2292-03(2008)** Practice for Determining the Waterfastness of Images Produced by Ink Jet Printers Utilizing Four Different Test Methods - Drip, Spray, Submersion and Rub, **15.09**
- F2293-03(2008)** Practice for Determining the Stain Resistance of Images Produced by Ink Jet Printers, **15.09**
- F2294-03(2009)** Practice for Determining the Writeability of Print Media, **15.09**
- F2295-10** Practice for Continued Operational Safety Monitoring of a Light Sport Aircraft, **15.11**
- F2296-04(2012)** Practice for Determining the Adhesion of Lamination Films to Prints Utilizing Mechanical Stress: Four Different Test Methods—Score/Tape, Cross Hatch, X-Cut, and Crease-Folding, **15.09**
- F2298-03(2009)<sup>1</sup>** Test Methods for Water Vapor Diffusion Resistance and Air Flow Resistance of Clothing Materials Using the Dynamic Moisture Permeation Cell, **11.03**
- F2299/F2299M-03(2010)** Test Method for Determining the Initial Efficiency of Materials Used in Medical Face Masks to Penetration by Particulates Using Latex Spheres, **11.03**
- F2300-10** Test Method for Measuring the Performance of Personal Cooling Systems Using Physiological Testing, **11.03**
- F2302-08** Performance Specification for Labeling Protective Clothing as Heat and Flame Resistant, **11.03**
- F2303-03(2009)** Practice for Selection of Gravity Sewers Suitable for Installation of Optical Fiber Cable and Conduits, **04.12**
- F2304-10** Practice for Sealing of Sewers Using Chemical Grouting, **04.12**
- F2306/F2306M-13** Specification for 12 to 60 in. [300 to 1500 mm] Annular Corrugated Profile-Wall Polyethylene (PE) Pipe and Fittings for Gravity-Flow Storm Sewer and Subsurface Drainage Applications, **08.04**
- F2307** *Withdrawn 2011; Specification for Series 10 Poly(Vinyl Chloride) (PVC) Closed Profile Gravity Pipe and Fittings Based on Controlled Inside Diameter*
- F2311-08** Guide for Classification of Therapeutic Skin Substitutes, **13.01**
- F2312-11** Terminology Relating to Tissue Engineered Medical Products, **13.01**
- F2313-10** Specification for Poly(glycolide) and Poly(glycolide-co-lactide) Resins for Surgical Implants with Mole Fractions Greater Than or Equal to 70 % Glycolide, **13.01**
- F2315-11** Guide for Immobilization or Encapsulation of Living Cells or Tissue in Alginate Gels, **13.01**
- F2316-12** Specification for Airframe Emergency Parachutes, **15.11**
- F2317/F2317M-10** Specification for Design of Weight-Shift-Control Aircraft, **15.11**
- F2318** *Withdrawn 2013; Specification for Rotary Wing Basic Life Support, Advanced Life Support, and Specialized Medical Support Air Ambulances*
- F2319** *Withdrawn 2013; Specification for Fixed Wing Basic Life Support, Advanced Life Support, and Specialized Medical Support Air Ambulances*
- F2320-11** Specification for Rubber Insulating Sheeting, **10.03**
- F2321-05(2013)** Specification for Flexible Insulated Temporary By-Pass Jumpers, **10.03**
- F2322-12** Test Methods for Physical Assault on Vertical Fixed Barriers for Detention and Correctional Facilities, **15.08**
- F2324-13** Test Method for Prerine Spray Valves, **15.12**
- F2325-03(2009)** Classification for Multi-Layer Steel (MLS) and Other Metal Layer Gaskets for Transportation Applications, **09.02**
- F2326-04(2009)** Test Method for Collection and Analysis of Visible Emissions from Candles as They Burn, **15.11**
- F2327-08** Guide for Selection of Airborne Remote Sensing Systems for Detection and Monitoring of Oil on Water, **11.05**
- F2328-05(2011)** Test Method for Determining Decarburization and Carburization in Hardened and Tempered Threaded Steel Bolts, Screws and Studs, **01.08**
- F2328M-07(2013)** Test Method for Determining Decarburization and Carburization in Hardened and Tempered Threaded Steel Bolts, Screws and Studs (Metric), **01.08**
- F2329-13** Specification for Zinc Coating, Hot-Dip, Requirements for Application to Carbon and Alloy Steel Bolts, Screws, Washers, Nuts, and Special Threaded Fasteners, **01.08**
- F2330** *Withdrawn 2010; Test Method for Evaluating the Oxidative Resistance of Multilayer Polyolefin Tubing to Hot Chlorinated Water*
- F2331-11** Test Method for Determining Chemical Compatibility of Substances in Contact with Thermoplastic Pipe and Fittings Materials, **08.04**
- F2332-06(2013)** Specification for Annular Ball Bearings for Instruments and Precision Rotating Components, **01.08**
- F2333-04(2011)** Test Method for Traction Characteristics of the Athletic Shoe-Sports Surface Interface, **15.07**
- F2334-09** Guide for Above Ground Public Use Skatepark Facilities, **15.07**
- F2336** *Withdrawn 2014; Guide for Roller Hockey Playing Facilities*, **15.07**
- F2337-11** Test Method for Treestand Fall Arrest System, **15.07**
- F2338-09(2013)** Test Method for Nondestructive Detection of Leaks in Packages by Vacuum Decay Method, **15.10**
- F2339-06(2009)** Practice for Design and Manufacture of Reciprocating Spark Ignition Engines for Light Sport Aircraft, **15.11**
- F2340-05(2010)** Specification for Developing and Validating Prediction Equation(s) or Model(s) Used in Connection with Livestock, Meat, and Poultry Evaluation Device(s) or System(s) to Determine Value, **15.12**
- F2341-05(2010)** Practice for User Requirements for Livestock, Meat, and Poultry Evaluation Devices or Systems, **15.12**
- F2342/F2342M-09** Specification for Design and Construction of Composition or Quality Constituent Measuring Devices or Systems, **15.12**
- F2343-09** Test Method for Livestock, Meat, and Poultry Evaluation Devices, **15.12**
- F2345-03(2013)** Test Methods for Determination of Static and Cyclic Fatigue Strength of Ceramic Modular Femoral Heads, **13.01**
- F2346-05(2011)** Test Methods for Static and Dynamic Characterization of Spinal Artificial Discs, **13.01**
- F2347-11** Guide for Characterization and Testing of Hyaluronan as Starting Materials Intended for Use in Biomedical and Tissue Engineered Medical Product Applications, **13.01**
- F2348-04(2010)** Performance Specification for Privacy Padlocks, **15.08**
- F2349-04(2010)** Practice for Operation and Maintenance of Integrated Natural Gas Pipelines and Optical Fiber Systems, **04.12**
- F2350-04(2010)** Practice for Selection of Natural Gas Pipelines Suitable for Installation of Optical Fiber Systems, **04.12**
- F2352-11** Specification for Design and Performance of Light Sport Gyroplane Aircraft, **15.11**
- F2353-05(2013)** Specification for Manufacturer Quality Assurance Program for Lighter-Than-Air Light Sport Aircraft, **15.11**
- F2354-05b(2013)** Specification for Continued Airworthiness System for Lighter-Than-Air Light Sport Aircraft, **15.11**
- F2355-13** Specification for Design and Performance Requirements for Lighter-Than-Air Light Sport Aircraft, **15.11**
- F2356-05a(2013)** Specification for Production Acceptance Testing System for Lighter-Than-Air Light Sport Aircraft, **15.11**
- F2357-10** Test Method for Determining the Abrasion Resistance of Inks and Coatings on Membrane Switches Using the Norman Tool RCA Abrader, **10.04**
- F2358** *Withdrawn 2011; Guide for Measuring Characteristics of Sapphire Substrates*
- F2359-04(2011)** Test Method for Determining Color of a Membrane Switch Backlit with Diffuse Light Source, **10.04**
- F2360-08** Test Method for Determining Luminance of a Membrane Switch Backlit with Diffuse Light Source, **10.04**
- F2361-03(2013)** Guide for Ordering Low Voltage (1000 VAC or Less) Alternating Current Electric Motors for Shipboard Service—Up to and Including Motors of 500 Horsepower, **01.07**

- F2362-03(2013)** Specification for Temperature Monitoring Equipment, **01.07**
- F2363/F2363M-12** Specification for Sewage and Graywater Flow Through Treatment Systems, **01.07**
- F2366-12** Practice for Determining the Relative Lightfastness of Ink Jet Prints Exposed to Window Filtered Daylight Using a Xenon Arc Light Apparatus, **15.09**
- F2367-04a(2010)** Specification for Labeling for Upright Brooms for Consumer and Institutional Use, **15.11**
- F2368-04(2010)** Specification for Labeling for Wet Mops for Consumer and Institutional Use, **15.11**
- F2369-04(2010)** Safety Specification for Non-Integral Firearm Locking Devices, **15.11**
- F2370-10** Test Method for Measuring the Evaporative Resistance of Clothing Using a Sweating Manikin, **11.03**
- F2371-10** Test Method for Measuring the Heat Removal Rate of Personal Cooling Systems Using a Sweating Heated Manikin, **11.03**
- F2372-11a** Consumer Safety Performance Specification for Shopping Carts, **15.11**
- F2373-11** Consumer Safety Performance Specification for Public Use Play Equipment for Children 6 Months through 23 Months, **15.11**
- F2374-10** Practice for Design, Manufacture, Operation, and Maintenance of Inflatable Amusement Devices, **15.07**
- F2375-09** Practice for Design, Manufacture, Installation and Testing of Climbing Nets and Netting/Mesh used in Amusement Rides, Devices, Play Areas and Attractions, **15.07**
- F2376-13** Practice for Classification, Design, Manufacture, Construction, and Operation of Water Slide Systems, **15.07**
- F2378-05(2011)** Test Method for Sealability of Sheet, Composite, and Solid Form-in-Place Gasket Materials, **09.02**
- F2379-04(2010)** Test Method for Energy Performance of Powered Open Warewashing Sinks, **15.12**
- F2380-04(2010)** Test Method for Performance of Conveyor Toasters, **15.12**
- F2381-10** Test Method for Evaluating Trans-Vinylene Yield in Irradiated Ultra-High Molecular Weight Polyethylene Fabricated Forms Intended for Surgical Implants by Infrared Spectroscopy, **13.01**
- F2382-04(2010)** Test Method for Assessment of Intravascular Medical Device Materials on Partial Thromboplastin Time (PTT), **13.01**
- F2383-11** Guide for Assessment of Adventitious Agents in Tissue Engineered Medical Products (TEMPs), **13.01**
- F2384-10** Specification for Wrought Zirconium-2.5Niobium Alloy for Surgical Implant Applications (UNS R60901), **13.01**
- F2385-04(2010)** Test Method for Determining Femoral Head Penetration into Acetabular Components of Total Hip Replacement Using Clinical Radiographs, **13.01**
- F2386 Withdrawn 2013; Guide for reservation of Tissue Engineered Medical Products (TEMPs)*
- F2387-04(2012)** Specification for Manufactured Safety Vacuum Release Systems (SVRS) for Swimming Pools, Spas and Hot Tubs, **15.11**
- F2388-09** Consumer Safety Specification for Baby Changing Tables for Domestic Use, **15.11**
- F2389-10** Specification for Pressure-rated Polypropylene (PP) Piping Systems, **08.04**
- F2390-12** Specification for Poly(Vinyl Chloride) (PVC) Plastic Drain, Waste, and Vent (DWV) Pipe and Fittings Having Post-Industrial Recycle Content, **08.04**
- F2391-05(2011)** Test Method for Measuring Package and Seal Integrity Using Helium as the Tracer Gas, **15.10**
- F2392-04(2010)** Test Method for Burst Strength of Surgical Sealants, **13.01**
- F2393-12** Specification for High-Purity Dense Magnesia Partially Stabilized Zirconia (Mg-PSZ) for Surgical Implant Applications, **13.01**
- F2394-07(2013)** Guide for Measuring Securement of Balloon Expandable Vascular Stent Mounted on Delivery System, **13.01**
- F2395 Withdrawn 2014; Terminology for Unmanned Aircraft Systems*
- F2396-11** Guide for Construction of High Performance Sand-Based Rootzones for Athletic Fields, **15.07**
- F2397-09** Specification for Protective Headgear Used in Martial Arts, **15.07**
- F2398-11** Test Method for Measuring Moment of Inertia and Center of Percussion of a Baseball or Softball Bat, **15.07**
- F2400-06(2011)** Specification for Helmets Used in Pole Vaulting, **15.07**
- F2401-04(2010)** Practice for Security Checkpoint Metal Detector Screening of Persons with Medical Devices, **15.08**
- F2403-09** Specification for Inch Series Machine Screws, Carbon Steel, 60 000 psi Tensile Strength, **01.08**
- F2405-04(2011)** Test Method for Trace Metallic Impurities in High Purity Copper by High-Mass-Resolution Glow Discharge Mass Spectrometer, **10.04**
- F2406-04(2012)** Practice for Determining Yield of Solid Ink Sticks, **15.09**
- F2407-06(2013)<sup>-1</sup>** Specification for Surgical Gowns Intended for Use in Healthcare Facilities, **11.03**
- F2408-11** Specification for Ornamental Fences Employing Galvanized Steel Tubular Pickets, **01.06**
- F2409-10** Guide for Fences for Non-Residential Outdoor Swimming Pools, Hot Tubs, and Spas, **01.06**
- F2411 Withdrawn 2014; Specification for Design and Performance of an Airborne Sense-and-Avoid System*
- F2412-11** Test Methods for Foot Protection, **15.07**
- F2413-11** Specification for Performance Requirements for Protective (Safety) Toe Cap Footwear, **15.07**
- F2414-04(2009)** Practice for Sealing Sewer Manholes Using Chemical Grouting, **04.12**
- F2415-09** Practice for Continued Airworthiness System for Light Sport Gyroplane Aircraft, **15.11**
- F2416-06(2011)** Specification for Protective Headgear Used in Electric Personal Assistive Mobility Devices, **15.07**
- F2417-11** Specification for Fire Safety for Candles, **15.11**
- F2418-13** Specification for Polypropylene (PP) Corrugated Wall Stormwater Collection Chambers, **08.04**
- F2419-11** Practice for Installation of Thick Poured Gypsum Concrete Underlayments and Preparation of the Surface to Receive Resilient Flooring, **15.04**
- F2420-05(2011)** Test Method for Determining Relative Humidity on the Surface of Concrete Floor Slabs Using Relative Humidity Probe Measurement and Insulated Hood, **15.04**
- F2421-05(2011)** Test Method for Measurement of Resilient Floor Plank by Dial Gage, **15.04**
- F2423-11** Guide for Functional, Kinematic, and Wear Assessment of Total Disc Prostheses, **13.01**
- F2425-05a(2009)** Specification for Continued Airworthiness System for Weight-Shift-Control Aircraft, **15.11**
- F2426-13** Guide on Wing Interface Documentation for Powered Parachute Aircraft, **15.11**
- F2427-05a(2013)** Specification for Required Product Information to be Provided with Lighter-Than-Air Light Sport Aircraft, **15.11**
- F2428-04(2011)** Guide for Selection and Use for Pelvic Ring Circumferential Compression Stabilization Devices (PRCCSD), **13.02**
- F2429-05(2010)** Terminology Relating to Aerospace Transparent Materials and Enclosures, **15.03**
- F2430-04(2012)** Specification for Bearing, Roller, Needle: Assembly (Thick Outer Race), **01.08**
- F2431-04(2012)** Specification for Ring Bearing, Inner: For Needle Roller Bearing with Thick Outer Ring, **01.08**
- F2432-12** Specification for Ice Making Machines, Icemaker-Dispensers, and Ice Dispensing Equipment, **15.12**
- F2433-05(2013)** Test Method for Determining Thermoplastic Pipe Wall Stiffness, **08.04**
- F2434-09** Specification for Metal Insert Fittings Utilizing a Copper Crimp Ring for SDR9 Cross-linked Polyethylene (PEX) Tubing and SDR9 Cross-linked Polyethylene/Aluminum/Cross-linked Polyethylene (PEX-AL-PEX) Tubing, **08.04**
- F2435-12** Specification for Steel Reinforced Polyethylene (PE) Corrugated Pipe, **08.04**
- F2436-05(2011)** Test Method for Measuring the Performance of Synthetic Rope Rescue Belay Systems Using a Drop Test, **13.02**
- F2437-12** Specification for Carbon and Alloy Steel Compressible-Washer-Type Direct Tension Indicators for Use with Cap Screws, Bolts, Anchors, and Studs, **01.08**
- F2438-04(2010)** Specification for Oil Spill Response Boom Connection: Slide Connector, **11.05**
- F2439-06(2011)** Specification for Headgear Used in Soccer, **15.07**
- F2440-11** Specification for Indoor Wall/Feature Padding, **15.07**
- F2441-12** Practice for Labeling of Backpacking and Mountaineering Tents and Bivouac Sacks, **15.07**
- F2442-07** Guide for Layout of Ice Arena, **15.07**
- F2443-04(2012)** Specification for Roller, Bearing, Needle, Ferrous, Solid, Spherical End, **01.08**
- F2444-04(2012)** Practice for Damage Prevention of Bearings, and Bearing Components Through Proper Handling Techniques, **01.08**
- F2446-04(2010)** Classification for Hierarchy of Equipment Identifiers and Boundaries for Reliability, Availability, and Maintainability (RAM) Performance Data Exchange, **01.07**
- F2447-05(2009)** Practice for Production Acceptance Test Procedures for Weight-Shift-Control Aircraft, **15.11**
- F2448-04(2009)** Practice for Manufacturer Quality Assurance System for Weight-Shift-Control Aircraft, **15.11**
- F2449-09** Specification for Manufacturer Quality Assurance Program for Light Sport Gyroplane Aircraft, **15.11**
- F2450-10** Guide for Assessing Microstructure of Polymeric Scaffolds for Use in Tissue-Engineered Medical Products, **13.01**
- F2451-05(2010)** Guide for *in vivo* Assessment of Implantable Devices Intended to Repair or Regenerate Articular Cartilage, **13.01**
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- F3001-13** Specification for Additive Manufacturing Titanium-6 Aluminum-4 Vanadium ELI (Extra Low Interstitial) with Powder Bed Fusion, **10.04**
- F3002-14a** Specification for Design of the Command and Control System for Small Unmanned Aircraft Systems (sUAS), **15.11**
- F3003-14** Specification for Quality Assurance of a Small Unmanned Aircraft System (sUAS), **15.11**
- F3004-13<sup>1</sup>** Test Method for Evaluation of Seal Quality and Integrity Using Airborne Ultrasound, **15.10**
- F3005-14a** Specification for Batteries for Use in Small Unmanned Aircraft Systems (sUAS), **15.11**
- F3006-13** Specification for Ball Drop Impact Resistance of Laminated Architectural Flat Glazing, **15.08**
- F3007-13** Test Method for Ball Drop Impact Resistance of Laminated Architectural Flat Glass, **15.08**
- F3008-13** Specification for Cork Floor Tile, **15.04**
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- F3010-13** Practice for Two-Component Resin Based Membrane-Forming Moisture Mitigation Systems for Use Under Resilient Floor Coverings, **15.04**
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- F3012-14** Specification for Loose-Fill Rubber for Use as a Playground Safety Surface under and around Playground Equipment, **15.07**
- F3013-13** Test Method for Density of Topsoil and Blended Soils In-place by the Core Displacement Method, **15.07**

- F3014-14** Test Method for Penetration Testing of Needles Used in Surgical Sutures, **13.02**
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- F3021-13** Specification for Universal Design of Fitness Equipment for Inclusive Use by Persons with Functional Limitations and Impairments, **15.07**
- F3022-13** Test Method for Evaluating the Universal Design of Fitness Equipment for Inclusive Use by Persons with Functional Limitations and Impairments, **15.07**
- F3023-13** Test Methods for Evaluating Design and Performance Characteristics of Stationary Upright and Recumbent Exercise Bicycles and Upper Body Ergometers, **15.07**
- F3024-13** Guide for Training for Land Search and Rescue Strike Team/Task Force Leader, **13.02**
- F3026-14** Guide for Helicopter Inland Search and Rescue (SAR) Crew Chief, **13.02**
- F3027-13** Guide for Training of Personnel Operating in Mountainous Terrain (Mountain Endorsement), **13.02**
- F3028-13** Guide for Training of Search and Rescue Personnel Operating in the Alpine Environment (Alpine Endorsement), **13.02**  
*F3029 Withdrawn 2013; Guide for Level I GPS Wilderness Navigator (GPS-IW) Endorsement*
- F3030-13** Test Method for Snowboards with a Channel-Mounting System and Removable Inserts, **15.07**
- F3034-13** Specification for Billets made by Winding Molten Extruded Stress-Rated High Density Polyethylene (HDPE), **08.04**
- F3035-13** Practice for Production Acceptance in the Manufacture of a Fixed Wing Light Sport Aircraft, **15.11**
- F3036-13** Guide for Testing Absorbable Stents, **13.02**
- F3038-14** Test Method for Timed Evaluation of Forced-Entry-Resistant Systems, **15.08**
- F3039-13** Test Method for Detecting Leaks in Nonporous Packaging or Flexible Barrier Materials by Dye Penetration, **15.10**
- F3040/F3040M-13** Test Method for Mechanical Static Load Testing of Non-Structural Marine Joiner Bulkheads, **01.07**
- F3041-14** Specification for Bonded Rubber Crumb Floor Coverings, **15.04**
- F3042-13** Specification for Nonferrous Hex Socket, Slotted Headless, and Square Head Set Screws, **01.08**
- F3044-14** Test Method for Standard Test Method for Evaluating the Potential for Galvanic Corrosion for Medical Implants, **13.02**
- F3046-13** Specification for Wrought Titanium-3Aluminum-2.5Vanadium Alloy for Surgical Implant Applications (UNS R56320), **13.02**
- F3048-13<sup>1</sup>** Guide for Swiftwater/Flood Search and Rescue Operations, **13.02**
- F3051-14** Test Method for Performance of Cook-and-Hold Ovens, **15.12**
- F3055-14** Specification for Additive Manufacturing Nickel Alloy (UNS N07718) with Powder Bed Fusion, **10.04**
- F3056-14** Specification for Additive Manufacturing Nickel Alloy (UNS N06625) with Powder Bed Fusion, **10.04**
- F3057-14** Test Method for Electromagnetic Shielding Effectiveness of Glazings, **15.08**
- F3068-14** Guide for Contents and Use of a Position Task Book (PTB), **13.02**
- F3069-14** Guide for Requirements for Bodies that Operate Certification Programs in the Field of Search and Rescue, **13.02**
- F3071-14** Guide for Basic Wilderness GPS/GNSS Use (GPS/GNSS-IW) Endorsement, **13.02**
- F3072-14** Guide for Intermediate Wilderness GPS/GNSS Use (GPS/GNSS-IIW) Endorsement, **13.02**
- F3077-14** Specification for Eye Protectors for Women's Lacrosse, **15.07**
- F3080-14** Practice for Laser Technologies for Measurement of Cross-Sectional Shape of Pipeline and Conduit by Non-Rotating Laser Projector and CCTV Camera System, **04.12**
- F3084-14** Consumer Safety Specification for Infant and Infant/Toddler Rockers, **15.11**
- F3085-14** Specification for Air Soft Gun Barrel Blocking Devices, **15.07**
- F3088-14** Test Method for Use of a Centrifugation Method to Quantify/Study Cell-Material Adhesive Interactions, **13.02**
- F3089-14** Guide for Characterization and Standardization of Polymerizable Collagen-Based Products and Associated Collagen-Cell Interactions, **13.02**
- F3092-14** Terminology Relating to Optical Fiber Sensing Systems, **04.12**
- F3094-14** Test Method for Determining Protection Provided by X-ray Shielding Garments Used in Medical X-ray Fluoroscopy from Sources of Scattered X-Rays, **11.03**
- F3095-14** Practice for Laser Technologies for Direct Measurement of Cross Sectional Shape of Pipeline and Conduit by Rotating Laser Diodes and CCTV Camera System, **04.12**
- F3099-14** Practices for Parasailing, **15.07**
- F3103-14** Specification for Testing Off-Road Motorcycle and ATV Helmets, **15.07**

## G. CORROSION, DETERIORATION, AND DEGRADATION OF MATERIALS

- G1-03(2011)** Practice for Preparing, Cleaning, and Evaluating Corrosion Test Specimens, **03.02**
- G2M** *Withdrawn 2004; Test Method for Corrosion Testing of Products of Zirconium, Hafnium, and Their Alloys in Water at 633°K or in Steam at 673°K [Metric]*
- G2/G2M-06(2011)<sup>1</sup>** Test Method for Corrosion Testing of Products of Zirconium, Hafnium, and Their Alloys in Water at 680°F (360°C) or in Steam at 750°F (400°C), **02.04**
- G3-13** Practice for Conventions Applicable to Electrochemical Measurements in Corrosion Testing, **03.02**
- G4-01(2008)** Guide for Conducting Corrosion Tests in Field Applications, **03.02**
- G5-13<sup>2</sup>** Reference Test Method for Making Potentiodynamic Anodic Polarization Measurements, **03.02**
- G6-07(2013)** Test Method for Abrasion Resistance of Pipeline Coatings, **06.02**
- G7/G7M-13** Practice for Atmospheric Environmental Exposure Testing of Nonmetallic Materials, **14.04**
- G8-96(2010)** Test Methods for Cathodic Disbonding of Pipeline Coatings, **06.02**
- G9-07(2013)<sup>1</sup>** Test Method for Water Penetration into Pipeline Coatings, **06.02**
- G10-10** Test Method for Specific Bendability of Pipeline Coatings, **06.02**
- G11-04(2012)** Test Method for Effects of Outdoor Weathering on Pipeline Coatings, **06.02**
- G12-07(2013)** Test Method for Nondestructive Measurement of Film Thickness of Pipeline Coatings on Steel, **06.02**
- G13** *Withdrawn 2003; Test Method for Impact Resistance of Pipeline Coatings(Limestone Drop Test)*
- G13/G13M-13** Test Method for Impact Resistance of Pipeline Coatings, **06.02**
- G14-04(2010)<sup>1</sup>** Test Method for Impact Resistance of Pipeline Coatings (Falling Weight Test), **06.02**
- G15** *Withdrawn 2010; Terminology Relating to Corrosion and Corrosion Testing*
- G16-13** Guide for Applying Statistics to Analysis of Corrosion Data, **03.02**
- G17-07(2013)** Test Method for Penetration Resistance of Pipeline Coatings (Blunt Rod), **06.02**
- G18-07(2013)** Test Method for Joints, Fittings, and Patches in Coated Pipelines, **06.02**
- G19** *Withdrawn 2010; Test Method for Disbonding Characteristics of Pipeline Coatings by Direct Soil Burial*
- G20-10** Test Method for Chemical Resistance of Pipeline Coatings, **06.02**
- G21-13** Practice for Determining Resistance of Synthetic Polymeric Materials to Fungi, **14.04**
- G22** *Withdrawn 2002; Practice for Determining Resistance of Plastics to Bacteria*
- G23** *Withdrawn 2000; Practice for Operating Light-Exposure Apparatus (Carbon-Arc Type) With and Without Water for Exposure of Nonmetallic Materials; Replaced by G152, G153*
- G24-13** Practice for Conducting Exposures to Daylight Filtered Through Glass, **14.04**
- G25** *Withdrawn 1980; Recommended Practice for Operating Enclosed Carbon Arc Type Apparatus for Light Exposure of Nonmetallic Materials; Replaced by G23*
- G26** *Withdrawn 2000; Practice for Operating Light-Exposure Apparatus (Xenon-Arc Type) With and Without Water for Exposure of Nonmetallic Materials; Replaced by G155*
- G27** *Withdrawn 1980; Recommended Practice for Operating Xenon Arc Type Apparatus for Light Exposure of Nonmetallic Materials; Replaced by G26*
- G28-02(2008)** Test Methods for Detecting Susceptibility to Intergranular Corrosion in Wrought, Nickel-Rich, Chromium-Bearing Alloys, **03.02**
- G29-96(2010)** Practice for Determining Algal Resistance of Plastic Films, **14.04**
- G30-97(2009)** Practice for Making and Using U-Bend Stress-Corrosion Test Specimens, **03.02**
- G31-12a** Guide for Laboratory Immersion Corrosion Testing of Metals, **03.02**
- G32-10** Test Method for Cavitation Erosion Using Vibratory Apparatus, **03.02**
- G33-99(2010)** Practice for Recording Data from Atmospheric Corrosion Tests of Metallic-Coated Steel Specimens, **03.02**
- G34-01(2013)** Test Method for Exfoliation Corrosion Susceptibility in 2XXX and 7XXX Series Aluminum Alloys (EXCO Test), **03.02**
- G35-98(2010)** Practice for Determining the Susceptibility of Stainless Steels and Related Nickel-Chromium-Iron Alloys to Stress-Corrosion Cracking in Polythionic Acids, **03.02**
- G36-94(2013)** Practice for Evaluating Stress-Corrosion-Cracking Resistance of Metals and Alloys in a Boiling Magnesium Chloride Solution, **03.02**
- G37-98(2011)** Practice for Use of Mattson's Solution of pH 7.2 to Evaluate the Stress-Corrosion Cracking Susceptibility of Copper-Zinc Alloys, **03.02**
- G38-01(2013)** Practice for Making and Using C-Ring Stress-Corrosion Test Specimens, **03.02**
- G39-99(2011)** Practice for Preparation and Use of Bent-Beam Stress-Corrosion Test Specimens, **03.02**
- G40-13** Terminology Relating to Wear and Erosion, **03.02**
- G41-90(2013)** Practice for Determining Cracking Susceptibility of Metals Exposed Under Stress to a Hot Salt Environment, **03.02**
- G42-11** Test Method for Cathodic Disbonding of Pipeline Coatings Subjected to Elevated Temperatures, **06.02**
- G43** *Withdrawn 1987; Method of Acidified Synthetic Sea Water (Fog) Testing; Replaced by G85*
- G44-99(2013)** Practice for Exposure of Metals and Alloys by Alternate Immersion in Neutral 3.5 % Sodium Chloride Solution, **03.02**
- G45** *Withdrawn 1981; Recommended Practice for Specifying Limits for Fading and Discoloration of Nonmetallic Materials*
- G46-94(2013)** Guide for Examination and Evaluation of Pitting Corrosion, **03.02**
- G47-98(2011)** Test Method for Determining Susceptibility to Stress-Corrosion Cracking of 2XXX and 7XXX Aluminum Alloy Products, **03.02**
- G48-11** Test Methods for Pitting and Crevice Corrosion Resistance of Stainless Steels and Related Alloys by Use of Ferric Chloride Solution, **03.02**
- G49-85(2011)** Practice for Preparation and Use of Direct Tension Stress-Corrosion Test Specimens, **03.02**
- G50-10** Practice for Conducting Atmospheric Corrosion Tests on Metals, **03.02**
- G51-95(2012)** Test Method for Measuring pH of Soil for Use in Corrosion Testing, **03.02**
- G52-00(2011)** Practice for Exposing and Evaluating Metals and Alloys in Surface Seawater, **03.02**
- G53** *Withdrawn 2000; Practice for Operating Light- and Water-Exposure Apparatus (Fluorescent UV-Condensation Type) for Exposure of Nonmetallic Materials; Replaced by G154*
- G54** *Withdrawn 2002; Practice for Simple Static Oxidation Testing*
- G55-07(2013)** Test Method for Evaluating Pipeline Coating Patch Materials, **06.02**
- G56-10** Test Method for Abrasiveness of Ink-Impregnated Fabric Printer Ribbons and Other Web Materials, **03.02**
- G57-06(2012)** Test Method for Field Measurement of Soil Resistivity Using the Wenner Four-Electrode Method, **03.02**
- G58-85(2011)** Practice for Preparation of Stress-Corrosion Test Specimens for Weldments, **03.02**
- G59-97(2014)** Test Method for Conducting Potentiodynamic Polarization Resistance Measurements, **03.02**
- G60-01(2013)** Practice for Conducting Cyclic Humidity Exposures, **03.02**
- G61-86(2014)** Test Method for Conducting Cyclic Potentiodynamic Polarization Measurements for Localized Corrosion Susceptibility of Iron-, Nickel-, or Cobalt-Based Alloys, **03.02**
- G62-07(2013)** Test Methods for Holiday Detection in Pipeline Coatings, **06.02**
- G63-99(2007)** Guide for Evaluating Nonmetallic Materials for Oxygen Service, **14.04**
- G64-99(2013)** Classification of Resistance to Stress-Corrosion Cracking of Heat-Treatable Aluminum Alloys, **03.02**
- G65-04(2010)** Test Method for Measuring Abrasion Using the Dry Sand/Rubber Wheel Apparatus, **03.02**
- G66-99(2013)** Test Method for Visual Assessment of Exfoliation Corrosion Susceptibility of 5XXX Series Aluminum Alloys (ASSET Test), **03.02**
- G67-13** Test Method for Determining the Susceptibility to Intergranular Corrosion of 5XXX Series Aluminum Alloys by Mass Loss After Exposure to Nitric Acid (NAML Test), **03.02**
- G68** *Withdrawn 1992; Practice for Liquid Sodium Corrosion Testing of Metals and Alloys*
- G69-12** Test Method for Measurement of Corrosion Potentials of Aluminum Alloys, **03.02**
- G70** *Withdrawn 2013; Test Method for Ring Bendability of Pipeline Coatings (Squeeze Test)*
- G71-81(2014)** Guide for Conducting and Evaluating Galvanic Corrosion Tests in Electrolytes, **03.02**
- G72/G72M-09** Test Method for Autogenous Ignition Temperature of Liquids and Solids in a High-Pressure Oxygen-Enriched Environment, **14.04**
- G73-10** Test Method for Liquid Impingement Erosion Using Rotating Apparatus, **03.02**
- G74-13** Test Method for Ignition Sensitivity of Nonmetallic Materials and Components by Gaseous Fluid Impact, **14.04**
- G75-07(2013)** Test Method for Determination of Slurry Abrasivity (Miller Number) and Slurry Abrasion Response of Materials (SAR Number), **03.02**
- G76-13** Test Method for Conducting Erosion Tests by Solid Particle Impingement Using Gas Jets, **03.02**
- G77-05(2010)** Test Method for Ranking Resistance of Materials to Sliding Wear Using Block-on-Ring Wear Test, **03.02**
- G78-01(2012)** Guide for Crevice Corrosion Testing of Iron-Base and Nickel-Base Stainless Alloys in Seawater and Other Chloride-Containing Aqueous Environments, **03.02**
- G79** *Withdrawn 2005; Practice for Evaluation of Metals Exposed to Carburization Environments*
- G80** *Withdrawn 2013; Test Method for Specific Cathodic Disbonding of Pipeline Coatings; Replaced by Test Methods G8*
- G81-97a(2013)** Test Method for Jaw Crusher Gouging Abrasion Test, **03.02**
- G82-98(2014)** Guide for Development and Use of a Galvanic Series for Predicting Galvanic Corrosion Performance, **03.02**
- G83** *Withdrawn 2005; Test Method for Wear Testing with a Crossed-Cylinder Apparatus*
- G84-89(2012)** Practice for Measurement of Time-of-Wetness on Surfaces Exposed to Wetting Conditions as in Atmospheric Corrosion Testing, **03.02**
- G85-11** Practice for Modified Salt Spray (Fog) Testing, **03.02**
- G86-98a(2011)** Test Method for Determining Ignition Sensitivity of Materials to Mechanical Impact in Ambient Liquid Oxygen and Pressurized Liquid and Gaseous Oxygen Environments, **14.04**
- G87-02(2013)** Practice for Conducting Moist SO<sub>2</sub>, **03.02**
- G88-13** Guide for Designing Systems for Oxygen Service, **14.04**

- G89 Withdrawn 1992; Methods for Cathodic Disbonding of Pipeline Coatings Subjected to Cyclic Temperatures*
- G90-10** Practice for Performing Accelerated Outdoor Weathering of Nonmetallic Materials Using Concentrated Natural Sunlight, **14.04**
- G91-11** Practice for Monitoring Atmospheric SO<sub>2</sub> Deposition Rate for Atmospheric Corrosivity Evaluation, **03.02**
- G92-86(2010)** Practice for Characterization of Atmospheric Test Sites, **03.02**
- G93-03(2011)** Practice for Cleaning Methods and Cleanliness Levels for Material and Equipment Used in Oxygen-Enriched Environments, **14.04**
- G94-05(2014)** Guide for Evaluating Metals for Oxygen Service, **14.04**
- G95-07(2013)** Test Method for Cathodic Disbondment Test of Pipeline Coatings (Attached Cell Method), **06.02**
- G96-90(2013)** Guide for Online Monitoring of Corrosion in Plant Equipment (Electrical and Electrochemical Methods), **03.02**
- G97-97(2013)** Test Method for Laboratory Evaluation of Magnesium Sacrificial Anode Test Specimens for Underground Applications, **03.02**
- G98-02(2009)** Test Method for Galling Resistance of Materials, **03.02**
- G99-05(2010)** Test Method for Wear Testing with a Pin-on-Disk Apparatus, **03.02**
- G100-89(2010)<sup>e1</sup>** Test Method for Conducting Cyclic Galvanostaircase Polarization, **03.02**
- G101-04(2010)** Guide for Estimating the Atmospheric Corrosion Resistance of Low-Alloy Steels, **03.02**
- G102-89(2010)** Practice for Calculation of Corrosion Rates and Related Information from Electrochemical Measurements, **03.02**
- G103-97(2011)** Practice for Evaluating Stress-Corrosion Cracking Resistance of Low Copper 7XXX Series Al-Zn-Mg-Cu Alloys in Boiling 6 % Sodium Chloride Solution, **03.02**
- G104 Withdrawn 1998; Test Method for Assessing Galvanic Corrosion Caused by the Atmosphere; Replaced by G116 and G149*
- G105-02(2007)** Test Method for Conducting Wet Sand/Rubber Wheel Abrasion Tests, **03.02**
- G106-89(2010)** Practice for Verification of Algorithm and Equipment for Electrochemical Impedance Measurements, **03.02**
- G107-95(2008)** Guide for Formats for Collection and Compilation of Corrosion Data for Metals for Computerized Database Input, **03.02**
- G108-94(2010)** Test Method for Electrochemical Reactivation (EPR) for Detecting Sensitization of AISI Type 304 and 304L Stainless Steels, **03.02**
- G109-07(2013)** Test Method for Determining Effects of Chemical Admixtures on Corrosion of Embedded Steel Reinforcement in Concrete Exposed to Chloride Environments, **03.02**
- G110-92(2009)** Practice for Evaluating Intergranular Corrosion Resistance of Heat Treatable Aluminum Alloys by Immersion in Sodium Chloride + Hydrogen Peroxide Solution, **03.02**
- G111-97(2013)** Guide for Corrosion Tests in High Temperature or High Pressure Environment, or Both, **03.02**
- G112-92(2009)** Guide for Conducting Exfoliation Corrosion Tests in Aluminum Alloys, **03.02**
- G113-14** Terminology Relating to Natural and Artificial Weathering Tests of Nonmetallic Materials, **14.04**
- G114-07** Practices for Evaluating the Age Resistance of Polymeric Materials Used in Oxygen Service, **14.04**
- G115-10(2013)** Guide for Measuring and Reporting Friction Coefficients, **03.02**
- G116-99(2010)** Practice for Conducting Wire-on-Bolt Test for Atmospheric Galvanic Corrosion, **03.02**
- G117-13** Guide for Calculating and Reporting Measures of Precision Using Data from Interlaboratory Wear or Erosion Tests, **03.02**
- G118-02(2007)** Guide for Recommended Format of Wear Test Data Suitable for Databases, **03.02**
- G119-09** Guide for Determining Synergism Between Wear and Corrosion, **03.02**
- G120-01(2008)** Practice for Determination of Soluble Residual Contamination by Soxhlet Extraction, **14.04**
- G121-98(2010)<sup>e1</sup>** Practice for Preparation of Contaminated Test Coupons for the Evaluation of Cleaning Agents, **14.04**
- G122-96(2008)** Test Method for Evaluating the Effectiveness of Cleaning Agents, **14.04**
- G123-00(2011)** Test Method for Evaluating Stress-Corrosion Cracking of Stainless Alloys with Different Nickel Content in Boiling Acidified Sodium Chloride Solution, **03.02**
- G124-10** Test Method for Determining the Combustion Behavior of Metallic Materials in Oxygen-Enriched Atmospheres, **14.04**
- G125-00(2008)** Test Method for Measuring Liquid and Solid Material Fire Limits in Gaseous Oxidants, **14.04**
- G126-00(2008)** Terminology Relating to the Compatibility and Sensitivity of Materials in Oxygen Enriched Atmospheres, **14.04**
- G127-95(2008)** Guide for Selection of Cleaning Agents for Oxygen Systems, **14.04**
- G128-02(2008)** Guide for Control of Hazards and Risks in Oxygen Enriched Systems, **14.04**
- G129-00(2013)** Practice for Slow Strain Rate Testing to Evaluate the Susceptibility of Metallic Materials to Environmentally Assisted Cracking, **03.02**
- G130-12** Test Method for Calibration of Narrow- and Broad-Band Ultraviolet Radiometers Using a Spectroradiometer, **14.04**
- G131-96(2008)** Practice for Cleaning of Materials and Components by Ultrasonic Techniques, **14.04**
- G132-96(2013)** Test Method for Pin Abrasion Testing, **03.02**
- G133-05(2010)** Test Method for Linearly Reciprocating Ball-on-Flat Sliding Wear, **03.02**
- G134-95(2010)<sup>e1</sup>** Test Method for Erosion of Solid Materials by Cavitating Liquid Jet, **03.02**
- G135-95(2013)** Guide for Computerized Exchange of Corrosion Data for Metals, **03.02**
- G136-03(2009)** Practice for Determination of Soluble Residual Contaminants in Materials by Ultrasonic Extraction, **14.04**
- G137-97(2009)** Test Method for Ranking Resistance of Plastic Materials to Sliding Wear Using a Block-On-Ring Configuration, **03.02**
- G138-12** Test Method for Calibration of a Spectroradiometer Using a Standard Source of Irradiance, **14.04**
- G139-05(2011)** Test Method for Determining Stress-Corrosion Cracking Resistance of Heat-Treatable Aluminum Alloy Products Using Breaking Load Method, **03.02**
- G140-02(2008)** Test Method for Determining Atmospheric Chloride Deposition Rate by Wet Candle Method, **03.02**
- G141-09(2013)** Guide for Addressing Variability in Exposure Testing of Nonmetallic Materials, **14.04**
- G142-98(2011)** Test Method for Determination of Susceptibility of Metals to Embrittlement in Hydrogen Containing Environments at High Pressure, High Temperature, or Both, **03.02**
- G143-03(2013)** Test Method for Measurement of Web/Roller Friction Characteristics, **03.02**
- G144-01(2014)** Test Method for Determination of Residual Contamination of Materials and Components by Total Carbon Analysis Using a High Temperature Combustion Analyzer, **14.04**
- G145-08** Guide for Studying Fire Incidents in Oxygen Systems, **14.04**
- G146-01(2013)** Practice for Evaluation of Disbonding of Bimetallic Stainless Alloy/Steel Plate for Use in High-Pressure, High-Temperature Refinery Hydrogen Service, **03.02**
- G147-09** Practice for Conditioning and Handling of Nonmetallic Materials for Natural and Artificial Weathering Tests, **14.04**
- G148-97(2011)** Practice for Evaluation of Hydrogen Uptake, Permeation, and Transport in Metals by an Electrochemical Technique, **03.02**
- G149 Withdrawn 2004; Practice for Conducting the Washer Test for Atmospheric Galvanic Corrosion*
- G150-13** Test Method for Electrochemical Critical Pitting Temperature Testing of Stainless Steels, **03.02**
- G151-10** Practice for Exposing Nonmetallic Materials in Accelerated Test Devices that Use Laboratory Light Sources, **14.04**
- G152-13** Practice for Operating Open Flame Carbon Arc Light Apparatus for Exposure of Nonmetallic Materials, **14.04**
- G153-13** Practice for Operating Enclosed Carbon Arc Light Apparatus for Exposure of Nonmetallic Materials, **14.04**
- G154-12a** Practice for Operating Fluorescent Ultraviolet (UV) Lamp Apparatus for Exposure of Nonmetallic Materials, **14.04**
- G155-13** Practice for Operating Xenon Arc Light Apparatus for Exposure of Non-Metallic Materials, **14.04**
- G156-09** Practice for Selecting and Characterizing Weathering Reference Materials, **14.04**
- G157-98(2013)** Guide for Evaluating Corrosion Properties of Wrought Iron- and Nickel-Based Corrosion Resistant Alloys for Chemical Process Industries, **03.02**
- G158-98(2010)** Guide for Three Methods of Assessing Buried Steel Tanks, **03.02**
- G159 Withdrawn 2005; Test Method for Evaluation of Stress Crack Resistance of Polyolefin Geomembranes Using Notched Constant Tensile Load Test; Replaced by G175*
- G160-12** Practice for Evaluating Microbial Susceptibility of Nonmetallic Materials by Laboratory Soil Burial, **14.04**
- G161-00(2013)** Guide for Corrosion-Related Failure Analysis, **03.02**
- G162-99(2010)** Practice for Conducting and Evaluating Laboratory Corrosion Tests in Soils, **03.02**
- G163-10** Guide for Digital Data Acquisition in Wear and Friction Measurements, **03.02**
- G164-99(2013)** Test Method for Determination of Surface Lubrication on Flexible Webs, **03.02**
- G165-99(2012)** Practice for Determining Rail-to-Earth Resistance, **03.02**
- G166-00(2011)** Guide for Statistical Analysis of Service Life Data, **14.04**
- G167-05(2010)** Test Method for Calibration of a Pyranometer Using a Pyrheliometer, **14.04**
- G168-00(2013)** Practice for Making and Using Pre-cracked Double Beam Stress Corrosion Specimens, **03.02**
- G169-01(2013)** Guide for Application of Basic Statistical Methods to Weathering Tests, **14.04**
- G170-06(2012)** Guide for Evaluating and Qualifying Oilfield and Refinery Corrosion Inhibitors in the Laboratory, **03.02**
- G171-03(2009)<sup>e2</sup>** Test Method for Scratch Hardness of Materials Using a Diamond Stylus, **03.02**
- G172-02(2010)<sup>e1</sup>** Guide for Statistical Analysis of Accelerated Service Life Data, **14.04**
- G173-03(2012)** Tables for Reference Solar Spectral Irradiances: Direct Normal and Hemispherical on 37° Tilted Surface, **14.04**
- G174-04(2009)<sup>e1</sup>** Test Method for Measuring Abrasion Resistance of Materials by Abrasive Loop Contact, **03.02**
- G175-13** Test Method for Evaluating the Ignition Sensitivity and Fault Tolerance of Oxygen Pressure Regulators Used for Medical and Emergency Applications, **14.04**
- G176-03(2009)** Test Method for Ranking Resistance of Plastics to Sliding Wear Using Block-on-Ring Wear Test—Cumulative Wear Method, **03.02**
- G177-03(2012)** Tables for Reference Solar Ultraviolet Spectral Distributions:

- Hemispherical on 37° Tilted Surface, **14.04**
- G178-09** Practice for Determining the Activation Spectrum of a Material (Wavelength Sensitivity to an Exposure Source) Using the Sharp Cut-On Filter or Spectrographic Technique, **14.04**
- G179-04(2011)** Specification for Metal Black Panel and White Panel Temperature Devices for Natural Weathering Tests, **14.04**
- G180-13** Test Method for Corrosion Inhibiting Admixtures for Steel in Concrete by Polarization Resistance in Cementitious Slurries, **03.02**
- G181-11** Test Method for Conducting Friction Tests of Piston Ring and Cylinder Liner Materials Under Lubricated Conditions, **03.02**
- G182-13** Test Method for Determination of the Breakaway Friction Characteristics of Rolling Element Bearings, **03.02**
- G183-05(2010)** Practice for Field Use of Pyranometers, Pyrhemometers and UV Radiometers, **14.04**
- G184-06(2012)** Practice for Evaluating and Qualifying Oil Field and Refinery Corrosion Inhibitors Using Rotating Cage, **03.02**
- G185-06(2012)** Practice for Evaluating and Qualifying Oil Field and Refinery Corrosion Inhibitors Using the Rotating Cylinder Electrode, **03.02**
- G186-05(2011)** Test Method for Determining Whether Gas-Leak-Detector Fluid Solutions Can Cause Stress Corrosion Cracking of Brass Alloys, **03.02**
- G187-12a** Test Method for Measurement of Soil Resistivity Using the Two-Electrode Soil Box Method, **03.02**
- G188-05(2011)** Specification for Leak Detector Solutions Intended for Use on Brasses and Other Copper Alloys, **03.02**
- G189-07(2013)** Guide for Laboratory Simulation of Corrosion Under Insulation, **03.02**
- G190-06** Guide for Developing and Selecting Wear Tests, **03.02**
- G192-08** Test Method for Determining the Crevice Repassivation Potential of Corrosion-Resistant Alloys Using a Potentiodynamic-Galvanostatic-Potentiostatic Technique, **03.02**
- G193-12d** Terminology and Acronyms Relating to Corrosion, **03.02**
- G194-08(2013)** Test Method for Measuring Rolling Friction Characteristics of a Spherical Shape on a Flat Horizontal Plane, **03.02**
- G195-13a** Guide for Conducting Wear Tests Using a Rotary Platform Abraser, **03.02**
- G196-08** Test Method for Galling Resistance of Material Couples, **03.02**
- G197-08(2012)** Table for Reference Solar Spectral Distributions: Direct and Diffuse on 20° Tilted and Vertical Surfaces, **14.04**
- G198-11** Test Method for Determining the Relative Corrosion Performance of Driven Fasteners in Contact with Treated Wood, **03.02**
- G199-09(2014)** Guide for Electrochemical Noise Measurement, **03.02**
- G200-09(2014)** Test Method for Measurement of Oxidation-Reduction Potential (ORP) of Soil, **03.02**
- G201-09** Practice for Conducting Exposures in Outdoor Glass-Covered Exposure Apparatus with Air Circulation, **14.04**
- G202-12** Test Method for Using Atmospheric Pressure Rotating Cage, **03.02**
- G203-10** Guide for Determining Friction Energy Dissipation in Reciprocating Tribosystems, **03.02**
- G204-10** Test Method for Damage to Contacting Solid Surfaces under Fretting Conditions, **03.02**
- G205-10** Guide for Determining Corrosivity of Crude Oils, **03.02**
- G206-11** Guide for Measuring the Wear Volumes of Piston Ring Segments Run against Flat Coupons in Reciprocating Wear Tests, **03.02**
- G207-11** Test Method for Indoor Transfer of Calibration from Reference to Field Pyranometers, **14.04**
- G208-12** Practice for Evaluating and Qualifying Oilfield and Refinery Corrosion Inhibitors Using Jet Impingement Apparatus, **03.02**
- G209-13** Practice for Detecting mu-phase in Wrought Nickel-Rich, Chromium, Molybdenum-Bearing Alloys, **03.02**
- G210-13** Practice for Operating the Severe Wastewater Analysis Testing Apparatus, **03.02**

## P. PROPOSALS

- P101 Withdrawn 1988; Proposed Method of Measuring Energy-Conserving Quality of Engine Oils in Vehicles (D-2 Proposal)
- P102 Withdrawn 1988; Proposed Classification of Energy-Conserving Engine Oils (D-2 Proposal)
- P103 Withdrawn 1985; Proposed Precautionary Statements (D-2 Proposal)
- P104 Withdrawn 1988; Proposed Specification for Gasohol (D-2 Proposal)
- P105 Withdrawn 1987; Proposed Method for Laboratory Measurement of Sound Reflection from Vertical Surfaces for Use in Open-Plan Spaces (E-33 Proposal)
- P106 Withdrawn 1988; Proposed Test Method for Apparent Viscosity of Engine Oils Between -30° C and -5° C Using the Cold Cranking Simulator (D-2 Proposal)
- P107 Withdrawn 1986; Proposed Test Method for Grindability of Subbituminous and Lignitic Coals Using the Hardgrove Machine (D-5 Proposal)
- P108 Withdrawn 1987; Proposed Test Method for Determining the Fire Performance of Public Ground Transportation Seat Assemblies (E-5 Proposal)
- P110 Withdrawn 1988; Proposed Guide to Assist in the Defining, Procuring, Installing, and Implementing of a Computerized Hospital Pharmacy System (E-31 Proposal)
- P111 Withdrawn 1988; Proposed Test Method for Determination of *Pseudomonas Aeruginosa* in Water by Membrane Filtration (D-19 Proposal)
- P112 Withdrawn 1987; Proposed Test Method for Interstitial Oxygen Content of Silicon Slices by Computer-Assisted Infrared Spectrophotometry (F-1 Proposal)
- P113 Withdrawn 1985; Proposed Test Method for Thallium in Water by Voltammetry (D-19 Proposal)
- P114 Withdrawn 1985; Proposed Test Method for Copper in Water by Voltammetry (D-19 Proposal)
- P115 Not Assigned
- P116 Withdrawn 1986; Proposed Test Method for Cyclohexylamine (D-19 Proposal)
- P117 Withdrawn 1985; Proposed Test Method for Nickel and Vanadium in Waterborne Oils (D-19 Proposal)
- P118 Not Assigned
- P119 Withdrawn 1984; Proposed Test Method for Tarnish Resistance of Electrical Contacts to "Flowers of Sulfur" Atmospheres (B-4 Proposal)
- P120 Withdrawn 1985; Proposed Method for Determination of Ethylene Oxide in Workplace Atmospheres (Charcoal Tube Methodology) (D-22 Proposal); Redesignated D4413
- P121 Withdrawn 1984; Proposed Method for Optical Emission Spectrometric Analysis of Refined Copper (E-2 Proposal)
- P122 Withdrawn 1985; Proposed Test Method for Moisture and Noncombustibles of RDF-3 Macrosamples (E-38 Proposal)
- P123 Withdrawn 1985; Proposed Test Method for Total Moisture in RDF-3 Samples (E-38 Proposal)
- P124 Withdrawn 1984; Proposed Specification for Pine Oil Disinfectant (D-12 Proposal)
- P125 Withdrawn 1987; Proposed Test Method for Static and Dynamic Coefficient of Friction of Polish-Coated Floor Surfaces, as Measured by the Horizontal Slip Tester (D-21 Proposal)
- P126 Withdrawn 1987; Proposed Test Method for Static Coefficient of Friction of Polish-Coated Floor Surfaces, as Measured by NBS-Brungraber Articulated Arm Tester (D-21 Proposal)
- P127 Withdrawn 1987; Proposed Test Method for Dynamic Coefficient of Friction of Polish-Coated Floor Surfaces, as Measured by NBS-Sigler Pendulum Impact Tester (D-21 Proposal)
- P128 Withdrawn 1987; Proposed Test Method for Static and Dynamic Coefficient of Friction of Polish-Coated Floor Surfaces, as Measured by the Topaka Slip Tester (D-21 Proposal)
- P129 Withdrawn 1984; Proposed Specification for Concrete Cleaner, Flush-Off Type (D-12 Proposal)
- P130 Withdrawn 1986; Proposed Practice for Selection of Release Torque Value for Ski Bindings; Replaced by F939 (F-8 Proposal)
- P131 Withdrawn 1987; Proposed Method for Selection of Release Torque Values of Ski Bindings (F-8 Proposal)
- P138 Redesignated E1065; Proposed Practice for Evaluating the Characteristics of Ultrasonic Search Units (E-7 Proposal)
- P139 Withdrawn 1985; Proposed Method for Chemical Analysis of Magnesium—Analysis for Manganese and Zinc (E-3 Proposal)
- P140 Withdrawn 1985; Proposed Method of Testing Flat Disposable (Consumable) Hot Top Boards and Risers for Metallic Ingots and Castings (C-8 Proposal)
- P141 Withdrawn 1983; Proposed Test Method for Organic Halides in Water by Carbon Adsorption-Microcoulometric Detection (D-19 Proposal)
- P142 Withdrawn 1986; Proposed Practice for Calculating Heat Losses Through Furnace Walls (C-8 Proposal)
- P143 Withdrawn 1985; Proposed Methods of Testing Exothermic Refractory Covering Powders for Metallic Ingots and Castings (C-8 Proposal)
- P144 Withdrawn 1986; Proposed Method for Eye Irritation in Albino Rabbits (E-5 Proposal)
- P145 Withdrawn 1986; Proposed Practice for Detection and Evaluation of Discontinuities by the Immersed Pulse-Echo Ultrasonic Method Using Longitudinal Waves (E-7 Proposal)
- P146 Withdrawn 1986; Proposed Practice for Evaluating the Electronic Characteristics of Sections of Pulse-Echo Ultrasonic Inspection Instruments (E-7 Proposal)
- P147 Withdrawn 1986; Proposed Room Fire Test of Wall and Ceiling Materials and Assemblies (E-5 Proposal)
- P148 Withdrawn 1987; Proposed Test Method for Fluorides in Workplace Atmospheres (D-22 Proposal)
- P149 Withdrawn 1986; Proposed Test Method for Phosphate Esters in Water (D-19 Proposal)
- P150 Redesignated E997; Proposed Method for Structural Performance of Glass in Exterior Windows, Curtain Walls, and Doors Under the Influence of Uniform Static Loads, by Destructive Method (E-6 Proposal)
- P152 Withdrawn 1987; Proposed Operational Guide for Direct Current Plasma Emission Spectrometry Analysis (E-3 Proposal); Replaced by E1097
- P153 Redesignated C1026; Proposed Method for Measuring Frost Resistance of Ceramic Tile (C-21 Proposal)
- P154 Redesignated C1027; Proposed Test Method to Determine Visible Abrasion Resistance of Glazed Ceramic Tile (C-21 Proposal)
- P155 Redesignated C1028; Proposed Method for Evaluating the Static Coefficient of Friction of Ceramic Tile, Terrazo, and Other Like Surfaces, by the Dynamometer Pull Meter Method (C-21 Proposal)
- P156 Withdrawn 1989; Proposed Guide for Shredder Explosion Protection (E-38 Proposal)
- P159 Withdrawn 1986; Proposed Method for Rheological Measurements of Bitumens by Vacuum Capillary Viscometer (D-4 Proposal)
- P160 Withdrawn 1986; Proposed Test Method for Viscosity of Asphalt Emulsion Residues and Non-Newtonian Bitumens by Vacuum Capillary Viscometer ((D-4 Proposal)
- P161 Withdrawn 1986; Proposed Test Method for Benzidine and 3,3' Bidichlorobenzidine in Water by High Performance Liquid Chromatography (D-19 Proposal)
- P162 Withdrawn 1986; Proposed Method of Quantification for Petroleum Oil in Water (D-19 Proposal)
- P163 Withdrawn 1986; Proposed Test Method for Hydrocarbons in Tissue Samples (D-19 Proposal)
- P164 Withdrawn 1985; Proposed Test Method for Simultaneous Detection and Enumeration of Total and Respiring Bacteria in Aquatic Systems Using Acridine Orange in Formazan Reduction Technique (D-19 Proposal)
- P165 Withdrawn 1985; Proposed Test Method for Enumeration of Aquatic Bacteria by the Use of Acridine Orange Epifluorescence Direct Microscopic Counting (D-19 Proposal)
- P166 Withdrawn 1987; Proposed Practice for Sampling and Inspection of Complete Alpine Boot Binding Systems in Rental Applications (F-27 Proposal)
- P167 Withdrawn 1987; Proposed Test Method for Boiling Range Distribution of Crude Petroleum by Gas Chromatography (D-2 Proposal)
- P168 Withdrawn 1988; Proposed Guide for Estimating the Incompatibility of Selected Hazardous Wastes Based on Binary Chemical Reactions (D-34 Proposal)
- P169 Withdrawn 1989; Proposed Test Method for Determining a Correction Factor for Bitumen Retained by Aggregate Following a Bitumen Extraction Test (D-4 Proposal)
- P170 Withdrawn 1988; Proposed Specification for Denatured Fuel Ethanol to be Blended With Gasolines for Use as an Automotive Spark-Ignition Engine Fuel (D-2 Proposal)
- P171 Withdrawn 1988; Proposed Guide for Preparation of Biological Samples for Inorganic Chemical Analysis (D-19 Proposal)
- P172 Withdrawn 1989; Proposed Specification for Electronic Grade Water (D-19 Proposal)
- P173 Withdrawn 1988; Proposed Method for Comparison of Waterborne Petroleum Oils by Silhouette Profile Fluorescence Spectroscopy (D-19 Proposal)
- P174 Withdrawn 1988; Proposed Test Method for Nitrite-Nitrate in Water (D-19 Proposal)
- P175 Not Assigned
- P176 Withdrawn 1988; Proposed Specification for Automotive Spark-Ignition Engine Fuel (D-2 Proposal)
- P177 Withdrawn 1990; Proposed Test Method for On-Line Monitoring of Electrical Conductivity to Determine Anions and Carbon Dioxide in High-Purity Water (D-19 Proposal); Replaced by D4519
- P178 Withdrawn 1988; Proposed Test Method for Measurement of Yield Stress and Apparent Viscosity of Engine Oils at Low Temperature (D-2 Proposal)
- P179 Withdrawn 1988; Proposed Method for Comparison of Waterborne Petroleum Oils by Low-Temperature Luminescence (D-19 Proposal)
- P180 Withdrawn 1988; Proposed Test Method for Heating Performance and Emissions of Residential Wood-Fired Closed Combustion-Chamber Heating Appliances (D-22 Proposal)
- P181 Withdrawn 1988; Proposed Test Method for Chlorine in Workplace Atmospheres (D-22 Proposal)
- P182 Withdrawn 1988; Proposed Method for Determination of Benzene Soluble Particulate Matter in Workplace Atmospheres (D-22 Proposal)
- P183 Withdrawn 1988; Proposed Test Method for Determination of 2,4-Toluene Diisocyanate (2,4-TD) in Workplace Atmospheres (D-22 Proposal)
- P184 Withdrawn 1988; Proposed Method for Chemical Analysis of Ferrosilicon and Silicon Metal (E-3 Proposal)
- P185 Withdrawn 1988; Proposed Test Method for Determination of the Ignition Resistance of Stacking Chairs (E-5 Proposal)
- P186 Withdrawn 1989; Proposed Method for Random Vibration Testing of Shipping Containers (D-10 Proposal)



- P187 Withdrawn 1988; Proposed Method for Determination of Oxygen in Steel and in Iron, Nickel, and Cobalt Alloys (E-3 Proposal)
- P188 Withdrawn 1988; Proposed Method of Test for Short Rod Fracture Toughness of Cemented Carbides (B-9 Proposal)
- P189 Withdrawn 1988; Proposed Specification for Encapsulants for Friable Asbestos-Containing Building Materials (E-6 Proposal)
- P190 Withdrawn 1988; Proposed Test Method for Heat and Visible Smoke Release Rates for Materials and Products Using an Oxygen Consumption Calorimeter (E-5 Proposal)
- P191 Withdrawn 1988; Proposed Test Method for Determining Effects of Large Hydrocarbon Pool Fires on Structural Members and Assemblies (E-5 Proposal)
- P192 Withdrawn 1988; Proposed Test Method for Degradation of Fine Aggregate Due to Attrition (C-9 Proposal)
- P193 Withdrawn 1988; Proposed Specification for Ski Binding Test Devices (F-27 Proposal)
- P194 Withdrawn 1988; Proposed Method of Verification of Ski Binding Test Devices (F-27 Proposal)
- P195 Withdrawn 1989; Proposed Method for Chemical Analysis of Copper-Bismuth/Antimony/Arsenic/Tellurium/Lead/Iron/Selenium by Lanthanum Collection and Direct Current Argon Plasma Optical Emission Spectroscopy (E-1 Proposal)
- P196 Withdrawn 1989; Proposed Method for Distillation of Heavy Oils and Crudes (Vacuum Potstill Method) (D-2 Proposal)
- P197 Withdrawn 1988; Proposed Test Method for Interstitial Oxygen Content of Silicon Slices Polished on Both Sides by Computer-Assisted Infrared Spectrophotometry (E-1 Proposal)
- P198 Withdrawn 1989; Proposed Test Method for Evaluating the Effectiveness of Materials for Curing Concrete (C-9 Proposal)
- P199 Withdrawn 1990; Proposed Terminology for Nondestructive Examinations (E-7 Proposal); Redesignated E1316
- P200 Withdrawn 1990; Proposed Test Method for Compression Testing of Cemented Carbides (B-9 Proposal)
- P201 Withdrawn 1990; Proposed Test Method for Light Scattering Determination of Particle Size of Sediments in Aqueous Suspension (D-19 Proposal)
- P202 Withdrawn 1990; Proposed Test Method for Iodide in Water (D-19 Proposal)
- P203 Withdrawn 1990; Proposed Methods for Determination of Selenium in Refined Copper by Direct Current Argon Plasma Spectroscopy (E-3 Proposal)
- P204 Withdrawn 1990; Proposed Methods for Determination of Iron, Lead, Nickel, Silver, and Tin in Refined Copper by Direct Current Argon Plasma Optical Emission Spectroscopy (E-1 Proposal)
- P205 Withdrawn 1990; Proposed Classification for Energy Conserving Engine Oils (D-2 Proposal)
- P206 Withdrawn 1989; Proposed Test Method for Determination of Tungsten in Ferrotungsten by the Cinchonine Gravimetric Method (E-1 Proposal)
- P207 Withdrawn 1989; Proposed Guide for Precision and Bias Statements in Test Method Standards (C-26 Proposal)
- P208 Withdrawn 1989; Proposed Test Method for Workplace Sampling and Analysis of Welding Fumes for Chromium (D-22 Proposal)
- P209 Withdrawn 1989; Proposed Test Method for Sampling and Analysis of Nitrogen Dioxide Content of the Atmosphere (Diffusion Tube Methodology) (D-22 Proposal)
- P210 Withdrawn 1991; Proposed Test Method for Evaluating Energy Conserving Gear Oils in Passenger Car and Light Truck Service (D-2 Proposal)
- P211 Withdrawn 1990; Proposed Terminology Relating to Biomass Fuels (E-48 Proposal)
- P212 Withdrawn 1992; Proposed Test Method for Sequence VE Test Procedure (D-2 Proposal)
- P213 Withdrawn 1991; Proposed Test Method for Photoluminescence Analysis of Single Crystal Silicon for III-V Impurities; Replaced by F1392 (F-1 Proposal)
- P214 Withdrawn 1992; Proposed Test Method for Accelerated Detection of Potentially Deleterious Expansion of Mortar Bars Due to Alkali-Silicon Reaction (C-9 Proposal)
- P215 Withdrawn 1993; Proposed Test Method for Polychlorinated Biphenyls (PCBs) in Water by Gas Chromatography/Mass Spectrometry (D-19 Proposal)
- P216 Withdrawn 1993; Proposed Test Method for Formaldehyde in Water (D-19 Proposal)

- P217 Withdrawn 1993; Proposed Test Method for Total Tetra Through Octachloro Dibenzo-p-Dioxins and Dibenzofurans in Water (D-19 Proposal)
- P218 Withdrawn 1993; Proposed Test Method for the Determination of Semi-Volatile Organic Compounds in Water by Gas Chromatography/Mass Spectrometry (D-19 Proposal)
- P219 Withdrawn 1993; Proposed Test Method for 2,3,7,8-Tetrachlorodibenzo-p-Dioxin (TCDD) and 2,3,7,8-Tetrachlorodibenzofurans (TCDF) in Water (D-19 Proposal)
- P220 Withdrawn 1992; Proposed Test Method for Determination of Ethylene Oxide in Workplace Atmospheres (HBr) Derivatization Method (D-22 Proposal)
- P221 Withdrawn 1993; Proposed Specification for Colored Rigid Poly(Vinyl Chloride) (PVC) Exterior-Profile Extrusions Used for Assembled Windows and Doors (D-20 Proposal)
- P222 Withdrawn 1993; Proposed Test Method for Sulfur Dioxide in Workplace Atmospheres (D-22 Proposal)
- P223 Withdrawn 1993; Proposed Specification for Colored Rigid Poly(Vinyl Chloride)(PVC) Siding (D-20 Proposal)
- P224 Withdrawn 1992; Proposed Test Method for Determining the Net Carrier Density on Bulk and Epitaxial Silicon Wafers by Using a Mercury Probe (F-1 Proposal)
- P225 Withdrawn 1992; Proposed Test Method for Substitutional Atomic Carbon Content of Silicon by Infrared Absorption; Replaced by F1391 (F-1 Proposal)
- P226 Withdrawn 1993; Proposed Test Methods for Bituminous Materials in Tension (D-4 Proposal)
- P227 Withdrawn 1993; Proposed Practice for Evaluation Criteria of Hydraulic Cement Testing Laboratories (C-1 Proposal); Replaced by C1222
- P228 Withdrawn 1994; Proposed Test Methods for pH Measurement of Water of Low Conductivity; Replaced by D5464 (D-19 Proposal)
- P229 Withdrawn 1994; Proposed Test Method for Giardia Cysts and Cryptosporidium Oocysts in Low-Turbidity Water by a Fluorescent Antibody Procedure (D-19 Proposal)
- P230 Withdrawn 1994; Proposed Test Method for Measurement of Occupational Exposure to Formaldehyde (Passive Sampler Methodology) (D-22 Proposal)
- P231 Withdrawn 1993; Proposed Test Method for N-Methylcarbamoyloximes/ N-Methylcarbamates in Water by Direct Aqueous Injection Liquid Chromatography (HPLC) with Post Column Derivatization; Replaced by D5315 (D-19 Proposal)
- P232 Withdrawn 1995; Proposed Specification for Fuel Methanol (M85) for Automotive Spark-Ignition Engines (D-2 Proposal)
- P233 Withdrawn 1995; Proposed Test Method for Compaction and Strength Properties of Graded Aggregate Using the Gyrotory Testing Machine (GTM) (D-4 Proposal)
- P235 Withdrawn 1995; Proposed Test Method for Fluorometric Determination of Toxicity-Induced Enzymatic Inhibition in Daphnia Magna
- P236 Withdrawn 1995; Proposed Test Method for Asbestos-Containing Materials by Polarized Light Microscopy
- P241 Withdrawn 1995; Proposed Test Method for Determination of Semi-Volatile Organic Compounds in Water by Gas Chromatography/Mass Spectrometry (GC/MS) (D-19 Proposal)
- P242 Withdrawn 1995; Proposed Test Method for Adherent Fines Test; Replaced by D5711 (D-4 Proposal)
- P243 Withdrawn 1995; Proposed Test Method for Toughness and Tenacity of Bituminous Materials; Replaced by D5801 (D-4 Proposal)
- P244 Withdrawn 1995; Proposed Practice for Rheological Measurements of Bitumens Using Dynamic Shear Rheometers (D-4 Proposal)
- P245 Withdrawn 1996; Proposed Test Method for Determining the Flexural Creep Stiffness of Asphalt Binder Using the Bending Beam Rheometer (D-4 Proposal)
- P246 Withdrawn 1996; Proposed Test Method for Determining the Rheological Properties of Asphalt Binder for Specification Purposes Using a Dynamic Shear Rheometer (DSR) (D-4 Proposal)
- P248 Withdrawn 1997; Proposed Specification for Performance Graded Asphalt Binder (D-4 Proposal)
- P249 Withdrawn 1997; Proposed Practice for Grading or Verifying the Performance Grade of an Asphalt Binder (D-4 Proposal)
- P252 Withdrawn 1997; Proposed Test Method for Determining the Fracture Properties of Asphalt Binder in Direct Tension (DT) (D-4 Proposal)

## PS. PROVISIONAL STANDARDS

- PS1 Withdrawn 1997; Provisional Specification for Poly(Vinyl Chloride)(PVC) Sewer and Drain Pipe Containing Recycled PVC Material; Replaced by F1732
- PS2 Withdrawn 1996; Provisional Standard Specification for Molding Plastics, Electrical, Thermoplastic
- PS3 Withdrawn 1998; Provisional Guide for Accelerated Site Characterization for Confirmed or Suspected Petroleum Releases; Replaced by E1912
- PS5 Withdrawn 1996; Provisional Standard Test Method for Static and Dynamic Spinal Implants Assembly in a Corpectomy Model
- PS6 Withdrawn 1997; Provisional Standard Practice for Establishing Secured Creditor Exemption Under CERCLA
- PS7 Withdrawn 1996; Provisional Standard Specification for Iodotrifluoromethane, CF<sub>3</sub>
- PS8 Withdrawn 1998; Provisional Standard Specification for Poly(Vinyl Chloride)(PVC) Non-Pressure Plastic Pipe Having Reprocessed-Recycled Content; Replaced by F1760
- PS9 Withdrawn 1996; Provisional Standard Test Method for Determination of Free Formaldehyde in Emulsion Polymers by Liquid Chromatography; Replaced by D5910
- PS10 Withdrawn 2004; Provisional Specification for Manufactured Safety Vacuum Release Systems (SVRS) for Swimming Pools, Spas and Hot Tubs; Replaced by F2387
- PS11 Withdrawn 1998; Provisional Practice for Environmental Regulatory Compliance Audits
- PS12 Withdrawn 1998; Provisional Guide for Study and Evaluation of an Organization's Environmental Management Systems
- PS13 Withdrawn 1997; Provisional Test Method for Performance Testing of Excess Flow Devices; Replaced by F1802
- PS14 Withdrawn 1998; Provisional Practice for Life Cycle Costing for Pollution Prevention
- PS15 Withdrawn 1996; Provisional Standard Specification for Molding Compounds, Thermosetting; Replaced by D5948
- PS16 Withdrawn 1996; Provisional Standard Specification for Liquid Coating Encapsulation Products for Leaded Paint in Buildings; Replaced by F1795
- PS18 Withdrawn 1995; Practice for Use of Qualitative Chemical Spot Test Kits for Detection of Lead in Dry Paint Films; Replaced by E1753
- PS20 Withdrawn 1998; Provisional Specification for Corrugated Polyethylene (PE) Pipe and Fittings Made with Recycled (PE) Materials
- PS23 Withdrawn 1997; Provisional Guide for Use of Coal Combustion Fly Ash in Structural Fills; Replaced by E1861
- PS26 Withdrawn 1998; Provisional Guide for Development and Implementation of a Source Reduction Program
- PS27 Withdrawn 1997; Provisional Standard Specification for Engineering and Design Criteria for Rigid Wall Relocatable Structures; Replaced by E1925
- PS28 Withdrawn 1997; Provisional Test Method for Flow Consistency of Controlled Low Strength Material; Replaced by D6103
- PS29 Withdrawn 1996; Provisional Test Method for Unit Weight, Yield, and Air Content (Gravimetric) of Controlled Low Strength Material; Replaced by D6023
- PS30 Withdrawn 1996; Provisional Standard Practice for Sampling Freshly Mixed Controlled Low Strength Material; Replaced by D5971
- PS31 Withdrawn 1997; Provisional Test Method for Ball Drop on Controlled Low Strength Material to Determine Suitability for Load Application; Replaced by D 6024
- PS33 Withdrawn 1996; Provisional Guide for Selection and Use of Liquid Coating Encapsulation Products for Leaded Paint in Buildings; Replaced by E1796
- PS34 Withdrawn 1996; Provisional Specification for Molded Polyethylene Shipping and Storage Drums; Replaced by D5998
- PS35 Withdrawn 1997; Provisional Practice for Sampling Plans and Tables for Inspection by Attributes
- PS36 Withdrawn 1998; Provisional Standard Practice for Accelerated Aging of Asphalt Binder Using a Pressurized Aging Vessel (PAV); Replaced by D6521
- PS37 Withdrawn 1996; Provisional Practice for Conducting Environmental Baseline Surveys; Replaced by D6008
- PS38 Withdrawn 1997; Provisional Consumer Safety Specification for Toddler Beds; Replaced by F1821
- PS39 Withdrawn 1996; Test Method for Determination of Volatile Organic Compound (VOC) Content of Electric Insulating Varnishes; Replaced by D6053
- PS40 Withdrawn 1996; Provisional Guide for Using Indoor Carbon Dioxide Concentrations to Evaluate Indoor Air Quality and Ventilation; Replaced by D6245
- PS41 Withdrawn 1996; Provisional Specification for Reinforced Liquid Coating Encapsulation Products for Leaded Paint in Buildings; Replaced by F1797
- PS42 Withdrawn 1999; Provisional Test Method for Metal Removal Fluid Aerosol in Workplace Atmospheres; Replaced by D6649
- PS43 Withdrawn 1998; Provisional Guide for Safer Use of Movable Soccer Goals; Replaced by F1938
- PS45 Withdrawn 1997; Evaluating Quality Systems of Organizations Engaged in Conducting Hazard Assessments to Determine the Presence/Extent of Lead in Paint/Dust/Airborne Particulate, and Soil in Buildings/Related Structures; Replaced by E1864
- PS46 Withdrawn 1998; Provisional Practice for Collection of Surface Dust by Air Sampling Pump Vacuum Technique for Subsequent Lead Determination; Replaced by E1973
- PS47 Withdrawn 1997; Provisional Test Method for Screening, Quantification, and Characterization of Total Polychlorinated Biphenyls by Room Temperature Phosphorescence
- PS48 Withdrawn 1997; Provisional Test method for Oil and Grease (Solvent Extractable Substances) by Gravimetric Determination
- PS49 Withdrawn 1999; Provisional Practice for Application of Class PB Exterior Insulation and Finish Systems; Replaced by C1397
- PS50 Withdrawn 1998; Provisional Standard Specification for Molded and Cast Nylon (PA) Rod, Tubes, Sheets, and Parts
- PS52 Withdrawn 1998; Provisional Test Methods for Determination of Trace Elements in Coal, Coke and Combustion Residues From Coal Utilization Processes by Inductively Coupled Plasma Atomic Emission Spectrometry, Inductively Coupled Plasma Mass Spectrometry, and Graphite Furnace Atomic Absorption Spectrometry; Replaced by D6357
- PS53 Withdrawn 1999; Provisional Guide for Identification and Management of Lead Hazards in Facilities; Replaced by E2052
- PS54 Withdrawn 1998; Provisional Performance Requirements for Child's Plastic Chairs for Outdoor Use; Replaced by F1838
- PS55 Withdrawn 1998; Provisional Performance Requirements for Multipositional Plastic Chairs, with Adjustable Backs or Reclining Mechanisms, for Outdoor Use; Replaced by F1858
- PS56 Withdrawn 2000; Provisional Test Method for Sealability of Gasket Materials
- PS57 Withdrawn 1999; Provisional Test Method for Determining Ignitability of Clothing by the Electric Arc Exposure Method Using a Mannequin; Replaced by F1958
- PS58 Withdrawn 1999; Provisional Test Method for Determining Arc Thermal Performance (Value) of Textile Materials for Clothing by Electric Arc Exposure Method Using Instrumented Sensor Panels; Replaced by F1959
- PS59 Withdrawn 2005; Provisional Specification for Fire Safety for Candles
- PS60 Withdrawn 1998; Provisional Specification for Drawstrings on Children's Upper Outerwear; Replaced by F1816
- PS61 Withdrawn 1998; Provisional Guide for Prevention and Control of Lead-Based Paint Hazards in Rental Housing
- PS62 Withdrawn 1999; Provisional Specification for Precast Reinforced Concrete Box Sections for Culverts, Storm Drains, and Sewers
- PS63 Withdrawn 1998; Provisional Test Method for Tires, Pneumatic, Vehicular, Highway; Replaced by F1922
- PS64 Withdrawn 1998; Provisional Guide for Developing Appropriate Statistical Approaches for Ground-Water Detection Monitoring Programs; Replaced by D6312
- PS65 Withdrawn 1998; Provisional Specification for Shelter, Electrical Equipment S-250/G; Replaced by E1974
- PS66 Withdrawn 1998; Provisional Specification for Shelter, Electrical, Equipment S-280/G; Replaced by E1975
- PS67 Withdrawn 1998; Provisional Specification for Shelter, Tactical, Nonexpandable; Replaced by E1976
- PS68 Withdrawn 1998; Provisional Specification for Shelter, Tactical, Expandable, One-Side; Replaced by E1977
- PS69 Withdrawn 1998; Provisional Specification for Shelter, Tactical, Expandable, Two-Side; Replaced by E1978
- PS70 Withdrawn 2000; Provisional Test Method for Determination of Fracture Toughness of Advanced Ceramics at Ambient Temperatures; Replaced by C1421
- PS72 Withdrawn 2001; Provisional Test Method for Evaluating the Tensile-Adhesion Performance of an Exterior Insulation and Finish System (EIFS); Replaced by E2134
- PS74 Withdrawn 2000; Provisional Test Method for Oil and Grease (Solvent Extractable Substances) in Water by Gravimetric Determination
- PS75 Withdrawn 2000; Provisional Standard Safety and Performance Specification for Soccer Goals; Replaced by F2056
- PS77 Withdrawn 1998; Provisional Test Method for Human Repeat Insult Patch Testing of Medical Gloves; Replaced by D6355
- PS78 Withdrawn 2000; Provisional Guide for Selecting Surface Geophysical Methods; Replaced by D6429
- PS79 Withdrawn 1998; Provisional Test Method for Holding Strength of Prong-Ring Attached Snap Fasteners
- PS80 Withdrawn 2000; Provisional Performance Specification for Fun Karts; Replaced by F2011
- PS81 Withdrawn 2001; Provisional Test Method for Length Change of Mortar Bars Caused by Reaction Between Hydraulic Cement and Alkali-Reactive Aggregate
- PS83 Withdrawn 1999; Provisional Specification for Determination of Accessibility of Surface Systems Under and Around Playground Equipment; Replaced by F1951
- PS84 Withdrawn 1998; Provisional Specification for Bean Bag Chairs; Replaced by F1912
- PS85 Withdrawn 1998; Provisional Guide for Expedited Site Characterization of Hazardous Waste Contaminated Sites; Replaced by D6235
- PS86 Withdrawn 1998; Provisional Test Method for Tires, Pneumatic, Low Speed, Off Highway; Replaced by F1923
- PS87 Withdrawn 1998; Provisional Practice for Ultrasonic Extraction of Paint, Dust, Soil, and Air Samples for Subsequent Determination of Lead; Replaced by E1979
- PS88 Withdrawn 1999; Provisional Practice for Determination of Lead in Paint, Settled Dust, Soil and Air Particulate by Field-Portable Electroanalysis; Replaced by E2051
- PS90 Withdrawn 1998; Provisional Test Methods for Asphalt Content of Hot Mix Asphalt by the Ignition Method; Replaced by D6307

- PS91 Withdrawn 2003; Provisional Specification for Portable Gasoline and Kerosine Spill-Resistant Fueling Systems for Consumer Use; Replaced by F2234
- PS93 Withdrawn 2001; Provisional Specification for Fabricated Shapes and Finished Parts Fabricated From Polyimide Resins
- PS94 Withdrawn 2001; Provisional Practice for Personal Sampling and Analysis of Endotoxin in Metal Removal Fluid Aerosols in Workplace Atmospheres; Replaced by E2144
- PS95 Withdrawn 2000; Provisional Practice for Quality Systems for Conducting In Situ Measurements of Lead Content in Paint or Other Coatings Using Field-Portable X-Ray Fluorescence (XRF) Devices; Replaced by E2119
- PS96 Withdrawn 1999; Provisional Performance Requirements for Plastic Chaise Lounges, With or Without Moving Arms, With Adjustable Backs, for Outdoor Use; Replaced by F1988
- PS97 Withdrawn 1998; Provisional Guide for Consumer Recreational Use of Fun Karts; Replaced by F1928
- PS100 Withdrawn 2000; Provisional Specification for Authentication of Healthcare Information Using Digital Signatures; Replaced by E2084
- PS101 Withdrawn 2000; Provisional Guide on Security Framework for Healthcare Information; Replaced by E2085
- PS102 Withdrawn 2000; Provisional Guide for Internet and Intranet Healthcare Security; Replaced by E2086
- PS103 Withdrawn 1998; Provisional Guide for User Authentication and Authorization; Replaced by E1985
- PS104 Withdrawn 2000; Provisional Guide for Risk Based Corrective Action; Replaced by E2081
- PS105 Withdrawn 2003; Provisional Specification for Dedicated Short-Range Communication (DSRC) Data Link Layer
- PS106 Withdrawn 2005; Provisional Standard Specification for Rods and Tubes of Polyethylene (PE)
- PS107 Withdrawn 1998; Provisional Guide for Information Access Privileges to Health Information; Replaced by E1986
- PS108 Withdrawn 1998; Provisional Guide for Individual Rights Regarding Health Information; Replaced by E1987
- PS109 Withdrawn 1998; Provisional Guide for Training of Persons Who Have Access to Health Information; Replaced by E1988
- PS110 Withdrawn 2000; Provisional Safety Specification for Chests, Door Chests, and Dressers; Replaced by F2057
- PS111 Withdrawn 2000; Provisional Specification for Dedicated Short Range Communication (DSRC) Physical Layer Using Microwave in the 902 to 928 MHz Band; Replaced by E 2158
- PS112 Withdrawn 2000; Provisional Safety Specification for Window Fall Prevention Devices for Non-Emergency Escape Egress and Rescue Ingress Windows; Replaced by F2006
- PS114 Withdrawn 1999; Provisional Specification for Fire Suppression Towels; Replaced by F1989
- PS115 Withdrawn 2001; Provisional Specification for Audit and Disclosure Logs for Use in Health Information Systems; Replaced by E2147
- PS116 Withdrawn 2001; Provisional Practice for Performance Evaluation of the Portable X-Ray Fluorescence Spectrometer for the Measurement of Lead in Paint Films; Replaced by E2120
- PS117 Withdrawn 2001; Provisional Specification for Portable Escape Ladder for Residential Use; Replaced by F2175
- PS118 Withdrawn 2002; Provisional Test Method for Water-Extractable Chloride in Aggregate (Soxhlet Method); Replaced by C1524
- PS119 Withdrawn 2003; Provisional Specification for Child-Resistant Portable Gasoline Containers for Consumer Use
- PS120 Withdrawn 2001; Provisional Specification for Window Fall Prevention Devices With Emergency Escape (Egress) Release Mechanisms; Replaced by F2090
- PS121 Withdrawn 2002; Provisional Specification for Biodiesel Fuel (B100) Blend Stock for Distillate Fuels; Replaced by D6751
- PS124 Withdrawn 2002; Provisional Test Method for Measuring Maximum Spontaneous Heating Temperature of Art Materials; Replaced by D6801
- PS125 Withdrawn 2003; Provisional Consumer Safety Performance Specification for Diaper Changing Tables for Commercial Use
- PS127 Withdrawn 2003; Provisional Test Method for Evaluating the Ignition Sensitivity and Fault Tolerance of Oxygen Regulators Used for Medical and Emergency Applications; Replaced by G175
- PS128 Withdrawn 2003; Provisional Specifications for Pool Alarms; Replaced by F2208
- PS129 Withdrawn; Provisional Test Method for Measurement of Permeability of Bituminous Paving Mixtures Using a Flexible Wall Permeameter
- PS130 Withdrawn 2003; Provisional Consumer Safety Specification for Non-Powered Scooters; Replaced by F2264
- PS131 Withdrawn 2003; Provisional Test Method for Bulk Specific Gravity and Density of Compacted Bituminous Mixtures Using Automatic Vacuum Sealing Method; Replaced by D6752
- PS132 Withdrawn 2003; Provisional Test Method for Maximum Specific Gravity and Density of Bituminous Paving Mixtures Using Automatic Vacuum Sealing Method; Replaced by D6857
- PS135 Withdrawn 2004; Provisional Specification for Labeling for Upright Brooms for Consumer and Institutional Use; Replaced by F2367
- PS136-02 Withdrawn 2003; Provisional Test Method for Quantitative Extraction and Recovery of Asphalt Binder from Asphalt Mixtures; Replaced by D6857
- PS137 Withdrawn 2004; Provisional Specification for Labeling for Wet Mops for Consumer and Institutional Use; Replaced by F2368
- PS138 Withdrawn 2004; Provisional Specification for Shelter, Electrical Equipment, Lightweight; Replaced by E2377

