

ASTM Volume 10.02, May 2016

Electrical Insulation (II): D2518-latest

Table of Contents

D2519-07(2012) Standard Test Method for Bond Strength of Electrical Insulating Varnishes by the Helical Coil Test

D2520-13 Standard Test Methods for Complex Permittivity (Dielectric Constant) of Solid Electrical Insulating Materials at Microwave Frequencies and Temperatures to 1650°C

D2633-13a Standard Test Methods for Thermoplastic Insulations and Jackets for Wire and Cable

D2655-12 Standard Specification for Crosslinked Polyethylene Insulation for Wire and Cable Rated 0 to 2000 V

D2656-13 Standard Specification for Crosslinked Polyethylene Insulation for Wire and Cable Rated 2001 to 35 000 V

D2671-13 Standard Test Methods for Heat-Shrinkable Tubing for Electrical Use

D2686-06(2012) Standard Specification for Polytetrafluoroethylene-Backed Pressure-Sensitive Electrical Insulating Tape

D2754-10 Standard Specification for High-Temperature Glass Cloth Pressure-Sensitive Electrical Insulating Tape

D2756-07(2012) Standard Test Method for Weight Loss of Electrical Insulating Varnishes

D2802-14 Standard Specification for Ozone-Resistant Ethylene-Alkene Polymer Insulation for Wire and Cable

D2861-14 Standard Test Methods for Flexible Composites of Copper Foil with Dielectric Film or Treated Fabrics

D2902-00(2013)e1 Standard Specification for Fluoropolymer Resin Heat-Shrinkable Tubing for Electrical Insulation

D2903-11 Standard Specification for Crosslinked Chlorinated Polyolefin Heat-Shrinkable Tubing for Electrical Insulation

D3004-08(2013) Standard Specification for Crosslinked and Thermoplastic Extruded Semi-Conducting, Conductor and Insulation Shielding Materials

D3005-10 Standard Specification for Low-Temperature Resistant Vinyl Chloride Plastic Pressure-Sensitive Electrical Insulating Tape

D3006-10 Standard Specification for Polyethylene Plastic Pressure-Sensitive Electrical Insulating Tape

D3032-10 Standard Test Methods for Hookup Wire Insulation

D3056-14 Standard Test Method for Gel Time of Solventless Varnishes

D3144-00(2013)e1 Standard Specification for Crosslinked Poly(Vinylidene Fluoride) Heat-Shrinkable Tubing for Electrical Insulation

D3145-13 Standard Test Method for Thermal Endurance of Electrical Insulating Varnishes by the Helical Coil Method

D3149-06(2013) Standard Specification for Crosslinked Polyolefin Heat-

Shrinkable Tubing for Electrical Insulation

D3150-11 Standard Specification for Crosslinked and Noncrosslinked Poly(Vinyl Chloride) Heat-Shrinkable Tubing for Electrical Insulation

D3251-04(2013) Standard Test Method for Thermal Endurance Characteristics of Electrical Insulating Varnishes Applied Over Film-Insulated Magnet Wire

D3288/D3288M-15 Standard Test Methods for Magnet-Wire Enamels

D3312-04(2013) Standard Test Method for Percent Reactive Monomer in Solventless Varnishes

D3349-12 Standard Test Method for Absorption Coefficient of Ethylene Polymer Material Pigmented with Carbon Black

D3353-10 Standard Test Methods for Fibrous-Insulated Magnet Wire

D3376-14 Standard Test Methods of Sampling and Testing Pulps to be Used in the Manufacture of Electrical Insulation

D3377-04(2013) Standard Test Method for Weight Loss of Solventless Varnishes

D3380-14 Standard Test Method for Relative Permittivity (Dielectric Constant) and Dissipation Factor of Polymer-Based Microwave Circuit Substrates

D3382-13 Standard Test Methods for Measurement of Energy and Integrated Charge Transfer Due to Partial Discharges (Corona) Using Bridge Techniques

D3394-94(2009) Standard Test Methods for Sampling and Testing Electrical Insulating Board

D3426-97(2012) Standard Test Method for Dielectric Breakdown Voltage and Dielectric Strength of Solid Electrical Insulating Materials Using Impulse Waves

D3554-07(2013) Standard Specification for Track-Resistant Black Thermoplastic High-Density Polyethylene Insulation for Wire and Cable, 75 °C Operation

D3555-07(2013) Standard Specification for Track-Resistant Black Crosslinked Polyethylene Insulation for Wire and Cable, 90 °C Operation

D3636-13ae1 Standard Practice for Sampling and Judging Quality of Solid Electrical Insulating Materials

D3638-12 Standard Test Method for Comparative Tracking Index of Electrical Insulating Materials

D3664-04(2009) Standard Specification for Biaxially Oriented Polymeric Resin Film for Capacitors in Electrical Equipment

D3755-14 Standard Test Method for Dielectric Breakdown Voltage and Dielectric Strength of Solid Electrical Insulating Materials Under Direct-Voltage Stress

D3756-97(2010) Standard Test Method for Evaluation of Resistance to Electrical Breakdown by Treeing in Solid Dielectric Materials Using Diverging Fields

D3850-12 Standard Test Method for Rapid Thermal Degradation of Solid Electrical Insulating Materials By Thermogravimetric Method (TGA)

D3874-13 Standard Test Method for Ignition of Materials by Hot Wire

Sources

D3955-13 Standard Specification for Electrical Insulating Varnishes

D4063-99(2009) Standard Specification for Pressboard for Electrical Insulating Purposes

D4243-99(2009) Standard Test Method for Measurement of Average Viscometric Degree of Polymerization of New and Aged Electrical Papers and Boards

D4245-08(2013) Standard Specification for Ozone-Resistant Thermoplastic Elastomer Insulation For Wire and Cable, 90°C Dry/75°C Wet Operation

D4246-14 Standard Specification for Ozone-Resistant Thermoplastic Elastomer Insulation For Wire and Cable, 90°C Operation

D4313-12 Standard Specification for General-Purpose, Heavy-Duty, and Extra-Heavy-Duty Crosslinked Chlorinated Polyethylene (CM) Jackets For Wire and Cable

D4314-12 Standard Specification for General-Purpose, Heavy-Duty, and Extra-Heavy-Duty Crosslinked Chlorosulfonated Polyethylene (CSM) Jackets For Wire and Cable

D4325-13 Standard Test Methods for Nonmetallic Semi-Conducting and Electrically Insulating Rubber Tapes

D4363-12 Standard Specification for Thermoplastic Chlorinated Polyethylene (CM) Jacket for Wire and Cable

D4388-13 Standard Specification for Nonmetallic Semi-Conducting and Electrically Insulating Rubber Tapes

D4470-97(2010) Standard Test Method for Static Electrification

D4496-13 Standard Test Method for D-C Resistance or Conductance of Moderately Conductive Materials

D4514-12 Standard Specification for Friction Tape

D4565-15 Standard Test Methods for Physical and Environmental Performance Properties of Insulations and Jackets for Telecommunications Wire and Cable

D4566-14 Standard Test Methods for Electrical Performance Properties of Insulations and Jackets for Telecommunications Wire and Cable

D4568-13 Standard Test Methods for Evaluating Compatibility Between Cable Filling and Flooding Compounds And Polyolefin Wire and Cable Materials

D4730-13 Standard Specification for Flooding Compounds for Telecommunications Wire and Cable

D4731-13 Standard Specification for Hot-Application Filling Compounds for Telecommunications Wire and Cable

D4732-13 Standard Specification for Cool-Application Filling Compounds for Telecommunications Wire and Cable

D4733-13 Standard Test Methods for Solventless Electrical Insulating Varnishes

D4872-14 Standard Test Method for Dielectric Testing of Wire and Cable Filling Compounds

D4880-14 Standard Test Method for Salt Water Proofness of Insulating

Varnishes Over Enamelled Magnet Wire

D4881-05(2012) Standard Test Method for Thermal Endurance of Varnished Fibrous- or Film-Wrapped Magnet Wire

D4882-05(2012) Standard Test Method for Bond Strength of Electrical Insulating Varnishes by the Twisted-Coil Test

D4935-10 Standard Test Method for Measuring the Electromagnetic Shielding Effectiveness of Planar Materials

D4967-99(2013) Standard Guide for Selecting Materials to Be Used for Insulation, Jacketing and Strength Components in Fiber-Optic Cables

D5032-11 Standard Practice for Maintaining Constant Relative Humidity by Means of Aqueous Glycerin Solutions

D5109-12 Standard Test Methods for Copper-Clad Thermosetting Laminates for Printed Wiring Boards

D5213-12 Standard Specification for Polymeric Resin Film for Electrical Insulation and Dielectric Applications

D5288-14 Standard Test Method for Determining Tracking Index of Electrical Insulating Materials Using Various Electrode Materials (Excluding Platinum)

D5374-13 Standard Test Methods for Forced-Convection Laboratory Ovens for Evaluation of Electrical Insulation

D5423-14 Standard Specification for Forced-Convection Laboratory Ovens for Evaluation of Electrical Insulation

D5424-14 Standard Test Method for Smoke Obscuration of Insulating Materials Contained in Electrical or Optical Fiber Cables When Burning in a Vertical Cable Tray Configuration

D5425-14 Standard Guide for Development of Fire Hazard Assessment Standards of Electrotechnical Products

D5470-12 Standard Test Method for Thermal Transmission Properties of Thermally Conductive Electrical Insulation Materials

D5485-11 Standard Test Method for Determining the Corrosive Effect of Combustion Products Using the Cone Corrosimeter

D5537-14 Standard Test Method for Heat Release, Flame Spread, Smoke Obscuration, and Mass Loss Testing of Insulating Materials Contained in Electrical or Optical Fiber Cables When Burning in a Vertical Cable Tray Configuration

D5568-14 Standard Test Method for Measuring Relative Complex Permittivity and Relative Magnetic Permeability of Solid Materials at Microwave Frequencies Using Waveguide

D5637-05(2012) Standard Test Method for Moisture Resistance of Electrical Insulating Varnishes

D5638-14 Standard Test Method for Chemical Resistance of Electrical Insulating Varnishes

D5642-09 Standard Test Method for Sealed Tube Chemical Compatibility Test

D6053-14 Standard Test Method for Determination of Volatile Organic Compound (VOC) Content of Electrical Insulating Varnishes

D6095-12 Standard Test Method for Longitudinal Measurement of Volume

Resistivity for Extruded Crosslinked and Thermoplastic Semiconducting Conductor and Insulation Shielding Materials

D6096-11(2016) Standard Specification for Poly(Vinyl Chloride) Insulation for Wire and Cable, 90°C Operation

D6097-01a(2008)e1 Standard Test Method for Relative Resistance to Vented Water-Tree Growth in Solid Dielectric Insulating Materials

D6113-11 Standard Test Method for Using a Cone Calorimeter to Determine Fire-Test-Response Characteristics of Insulating Materials Contained in Electrical or Optical Fiber Cables

D6194-14 Standard Test Method for Glow-Wire Ignition of Materials

D6343-14 Standard Test Methods for Thin Thermally Conductive Solid Materials for Electrical Insulation and Dielectric Applications

D7148-13 Standard Test Method for Determining the Ionic Resistivity (ER) of Alkaline Battery Separator Using a Carbon Electrode in an Electrolyte Bath Measuring System

D7449/D7449M-14 Standard Test Method for Measuring Relative Complex Permittivity and Relative Magnetic Permeability of Solid Materials at Microwave Frequencies Using Coaxial Air Line

D7894/D7894M-14 Standard Test Method for Thermal Endurance of Coating Powders Used for Integral Bus Bar Insulation Systems

D7895/D7895M-14 Standard Test Method for Thermal Endurance of Coating Powders Used for Powder Coating Insulation Systems