

ASTM Volume 10.03, May 2017

Electrical Insulating Liquids and Gases; Electrical Protective Equipment

Table of Contents

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

D120-14a Standard Specification for Rubber Insulating Gloves

D178-01(2010) Standard Specification for Rubber Insulating Matting

D831/D831M-12 Standard Test Method for Gas Content of Cable and Capacitor Oils

D877/D877M-13 Standard Test Method for Dielectric Breakdown Voltage of Insulating Liquids Using Disk Electrodes

D923-15 Standard Practices for Sampling Electrical Insulating Liquids

D924-15 Standard Test Method for Dissipation Factor (or Power Factor) and Relative Permittivity (Dielectric Constant) of Electrical Insulating Liquids

D971-12 Standard Test Method for Interfacial Tension of Oil Against Water by the Ring Method

D1048-14 Standard Specification for Rubber Insulating Blankets

D1049-98(2010) Standard Specification for Rubber Insulating Covers

D1050-05(2011) Standard Specification for Rubber Insulating Line Hose

D1051-14a Standard Specification for Rubber Insulating Sleeves

D1169-11 Standard Test Method for Specific Resistance (Resistivity) of Electrical Insulating Liquids

D1275-15 Standard Test Method for Corrosive Sulfur in Electrical Insulating Liquids

D1524-15 Standard Test Method for Visual Examination of Used Electrical Insulating Liquids in the Field

D1533-12 Standard Test Method for Water in Insulating Liquids by Coulometric Karl Fischer Titration

D1534-95(2008) Standard Test Method for Approximate Acidity in Electrical Insulating Liquids by Color-Indicator Titration

D1816-12 Standard Test Method for Dielectric Breakdown Voltage of Insulating Liquids Using VDE Electrodes

D1903-08(2017) Standard Practice for Determining the Coefficient of Thermal Expansion of Electrical Insulating Liquids of Petroleum Origin, and Askarels

D1933-03(2017) Standard Specification for Nitrogen Gas as an Electrical Insulating Material

D1934-95(2012) Standard Test Method for Oxidative Aging of Electrical Insulating Petroleum Oils by Open-Beaker Method

D2029-97(2017) Standard Test Methods for Water Vapor Content of Electrical Insulating Gases by Measurement of Dew Point

D2112-15 Standard Test Method for Oxidation Stability of Inhibited Mineral Insulating Oil by Pressure Vessel

D2129-17 Standard Test Method for Color of Clear Electrical Insulating Liquids (Platinum-

Cobalt Scale)

D2140-08(2017) Standard Practice for Calculating Carbon-Type Composition of Insulating Oils of Petroleum Origin

D2144-07(2013) Standard Practices for Examination of Electrical Insulating Oils by Infrared Absorption

D2225-04(2012) Standard Test Methods for Silicone Fluids Used for Electrical Insulation

D2284-11 Standard Test Method for Acidity of Sulfur Hexafluoride

D2300-08(2017) Standard Test Method for Gassing of Electrical Insulating Liquids Under Electrical Stress and Ionization (Modified Pirelli Method)

D2440-13 Standard Test Method for Oxidation Stability of Mineral Insulating Oil

D2472-15 Standard Specification for Sulfur Hexafluoride

D2477-07(2012) Standard Test Method for Dielectric Breakdown Voltage and Dielectric Strength of Insulating Gases at Commercial Power Frequencies

D2522-03(2008)e2 Standard Test Method for Chlorine Content of Polybutenes Used for Electrical Insulation

D2668-07(2013) Standard Test Method for 2,6- *di-tert*-Butyl- *p*-Cresol and 2,6- *di-tert*-Butyl Phenol in Electrical Insulating Oil by Infrared Absorption

D2685-11 Standard Test Method for Air and Carbon Tetrafluoride in Sulfur Hexafluoride by Gas Chromatography

D2759-00(2010) Standard Practice for Sampling Gas from a Transformer Under Positive Pressure

D2864-17 Standard Terminology Relating to Electrical Insulating Liquids and Gases

D3283-98(2012) Standard Specification for Air as an Electrical Insulating Material

D3284-05(2011) Standard Practice for Combustible Gases in the Gas Space of Electrical Apparatus Using Portable Meters

D3300-12 Standard Test Method for Dielectric Breakdown Voltage of Insulating Oils of Petroleum Origin Under Impulse Conditions

D3455-11 Standard Test Methods for Compatibility of Construction Material with Electrical Insulating Oil of Petroleum Origin

D3487-16 Standard Specification for Mineral Insulating Oil Used in Electrical Apparatus

D3612-02(2009) Standard Test Method for Analysis of Gases Dissolved in Electrical Insulating Oil by Gas Chromatography

D3635-13 Standard Test Method for Dissolved Copper In Electrical Insulating Oil By Atomic Absorption Spectrophotometry

D4059-00(2010) Standard Test Method for Analysis of Polychlorinated Biphenyls in Insulating Liquids by Gas Chromatography

D4559-99(2010) Standard Test Method for Volatile Matter in Silicone Fluid

D4652-05(2012) Standard Specification for Silicone Fluid Used for Electrical Insulation

D4768-11 Standard Test Method for Analysis of 2,6-Ditertiary-Butyl Para-Cresol and 2,6-Ditertiary-Butyl Phenol in Insulating Liquids by Gas Chromatography

D5222-16 Standard Specification for High Fire-Point Mineral Electrical Insulating Oils

D5282-05(2012) Standard Test Methods for Compatibility of Construction Material with Silicone Fluid Used for Electrical Insulation

D5837-15 Standard Test Method for Furanic Compounds in Electrical Insulating Liquids by High-Performance Liquid Chromatography (HPLC)

D6786-15 Standard Test Method for Particle Count in Mineral Insulating Oil Using Automatic Optical Particle Counters

D6802-02(2010) Test Method for Determination of the Relative Content Of Dissolved Decay Products in Mineral Insulating Oils by Spectrophotometry

D7150-13 Standard Test Method for the Determination of Gassing Characteristics of Insulating Liquids Under Thermal Stress

D7151-15 Standard Test Method for Determination of Elements in Insulating Oils by Inductively Coupled Plasma Atomic Emission Spectrometry (ICP-AES)

F478-14a Standard Specification for In-Service Care of Insulating Line Hose and Covers

F479-06(2011) Standard Specification for In-Service Care of Insulating Blankets

F496-14a Standard Specification for In-Service Care of Insulating Gloves and Sleeves

F696-06(2011) Standard Specification for Leather Protectors for Rubber Insulating Gloves and Mittens

F711-02(2013) Standard Specification for Fiberglass-Reinforced Plastic (FRP) Rod and Tube Used in Live Line Tools

F712-06(2011) Standard Test Methods and Specifications for Electrically Insulating Plastic Guard Equipment for Protection of Workers

F819-10(2015) Standard Terminology Relating to Electrical Protective Equipment for Workers

F855-15 Standard Specifications for Temporary Protective Grounds to Be Used on De-energized Electric Power Lines and Equipment

F887-16 Standard Specifications for Personal Climbing Equipment

F914/F914M-15 Standard Test Method for Acoustic Emission for Aerial Personnel Devices Without Supplemental Load Handling Attachments

F1116-14a Standard Test Method for Determining Dielectric Strength of Dielectric Footwear

F1117-03(2013) Standard Specification for Dielectric Footwear

F1236-16 Standard Guide for Visual Inspection of Electrical Protective Rubber Products

F1430/F1430M-15 Standard Test Method for Acoustic Emission Testing of Insulated and Non-Insulated Aerial Personnel Devices with Supplemental Load Handling Attachments

F1505-16 Standard Specification for Insulated and Insulating Hand Tools

F1506-15 Standard 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

F1564-13 Standard Specification for Structure-Mounted Insulating Work Platforms for Electrical Workers

F1701-12 Standard Specification for Unused Rope with Special Electrical Properties

F1742-03(2011) Standard Specification for PVC Insulating Sheeting

F1796-09(2014) Standard Specification for High Voltage Detectors—Part 1 Capacitive Type to be Used for Voltages Exceeding 600 Volts AC

F1797-15 Standard Test Method for Acoustic Emission Testing of Insulated and Non-Insulated Digger Derricks

F1825-03(2013) Standard Specification for Clampstick Type Live Line Tools

F1826-00(2016) Standard Specification for Live Line and Measuring Telescoping Tools

F1891-12 Standard Specification for Arc and Flame Resistant Rainwear

F1958/F1958M-12 Standard Test Method for Determining the Ignitability of Non-flame-Resistant Materials for Clothing by Electric Arc Exposure Method Using Mannequins

F1959/F1959M-14e1 Standard Test Method for Determining the Arc Rating of Materials for Clothing

F2174-02(2015) Standard Practice for Verifying Acoustic Emission Sensor Response

F2178-12 Standard Test Method for Determining the Arc Rating and Standard Specification for Eye or Face Protective Products

F2249-03(2015) Standard Specification for In-Service Test Methods for Temporary Grounding Jumper Assemblies Used on De-Energized Electric Power Lines and Equipment

F2320-11 Standard Specification for Rubber Insulating Sheeting

F2321-14 Standard Specification for Flexible and Rigid Insulated Temporary By-Pass Jumpers

F2522-12 Standard Test Method for Determining the Protective Performance of a Shield Attached on Live Line Tools or on Racking Rods for Electric Arc Hazards

F2621-12 Standard Practice for Determining Response Characteristics and Design Integrity of Arc Rated Finished Products in an Electric Arc Exposure

F2675/F2675M-13 Standard Test Method for Determining Arc Ratings of Hand Protective Products Developed and Used for Electrical Arc Flash Protection

F2676-16 Standard Test Method for Determining the Protective Performance of an Arc Protective Blanket for Electric Arc Hazards

F2677-08a(2013) Standard Specification for Electrically Insulating Aprons

F2715-09(2015) Standard Specification for Temporary Protective Equipotential Bond Mat To Be Used on De-Energized Equipment

F2939-13 Standard Specification for High Voltage Phasing Testers

F2973-16 Standard Specification for Insulating Lifting Links for Load Lifting Equipment Working Near Energized Power Lines

F3121/F3121M-16 Standard Guide for In-Service Inspection, Maintenance, and Electrical Testing of Hand-Held Live-Line Insulating Tools (Fiberglass-Reinforced Plastic (FRP))