



Designation: F715 – 07

## Standard Test Methods for Coated Fabrics Used for Oil Spill Control and Storage<sup>1</sup>

This standard is issued under the fixed designation F715; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reappraisal. A superscript epsilon ( $\epsilon$ ) indicates an editorial change since the last revision or reappraisal.

### 1. Scope

1.1 These test methods cover laboratory-conducted performance tests for coated fabrics used in spill control barriers or in temporary storage devices.

1.2 *This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.*

### 2. Referenced Documents

#### 2.1 ASTM Standards:<sup>2</sup>

- D86 Test Method for Distillation of Petroleum Products at Atmospheric Pressure
- D93 Test Methods for Flash Point by Pensky-Martens Closed Cup Tester
- D97 Test Method for Pour Point of Petroleum Products
- D129 Test Method for Sulfur in Petroleum Products (General Bomb Method)
- D130 Test Method for Corrosiveness to Copper from Petroleum Products by Copper Strip Test
- D287 Test Method for API Gravity of Crude Petroleum and Petroleum Products (Hydrometer Method)
- D445 Test Method for Kinematic Viscosity of Transparent and Opaque Liquids (and Calculation of Dynamic Viscosity)
- D482 Test Method for Ash from Petroleum Products
- D524 Test Method for Ramsbottom Carbon Residue of Petroleum Products
- D543 Practices for Evaluating the Resistance of Plastics to Chemical Reagents
- D613 Test Method for Cetane Number of Diesel Fuel Oil
- D664 Test Method for Acid Number of Petroleum Products by Potentiometric Titration
- D751 Test Methods for Coated Fabrics

- D975 Specification for Diesel Fuel Oils
- D1149 Test Methods for Rubber Deterioration—Cracking in an Ozone Controlled Environment
- D1266 Test Method for Sulfur in Petroleum Products (Lamp Method)
- D1298 Test Method for Density, Relative Density (Specific Gravity), or API Gravity of Crude Petroleum and Liquid Petroleum Products by Hydrometer Method
- D1319 Test Method for Hydrocarbon Types in Liquid Petroleum Products by Fluorescent Indicator Adsorption
- D1796 Test Method for Water and Sediment in Fuel Oils by the Centrifuge Method (Laboratory Procedure)
- D2425 Test Method for Hydrocarbon Types in Middle Distillates by Mass Spectrometry
- D2500 Test Method for Cloud Point of Petroleum Products
- D2644 Tolerances for Yarns Spun on the Woolen System
- D3117 Test Method for Wax Appearance Point of Distillate Fuels
- D3884 Test Method for Abrasion Resistance of Textile Fabrics (Rotary Platform, Double-Head Method)
- G26 Practice for Operating Light-Exposure Apparatus (Xenon-Arc Type) With and Without Water for Exposure of Nonmetallic Materials<sup>3</sup>

#### 2.2 Federal Standard:

- Fed. Std. No. 191A Textile Test Methods<sup>4</sup>

### 3. Significance and Use

3.1 Membrane materials are subjected to these tests in order to provide data that reasonably relate to membrane response under the actual conditions of spill control barrier or storage device use.

3.2 Although these test methods provide data on individual performance of membrane materials, all combinations of actual conditions of spill control barrier or storage device use are not simulated in this sequence of tests.

### 4. Base Line Tests

4.1 *Number of Specimens*—Subject specimens of spill control membrane materials to the tests prescribed in 4.2-4.11. Perform all tests in the direction of both the warp and fill of the

<sup>1</sup> These test methods are under the jurisdiction of ASTM Committee F20 on Hazardous Substances and Oil Spill Response and are the direct responsibility of Subcommittee F20.11 on Control.

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<sup>2</sup> For referenced ASTM standards, visit the ASTM website, www.astm.org, or contact ASTM Customer Service at service@astm.org. For *Annual Book of ASTM Standards* volume information, refer to the standard's Document Summary page on the ASTM website.

<sup>3</sup> Withdrawn.

<sup>4</sup> Available from Standardization Documents Order Desk, Bldg. 4 Section D, 700 Robbins Ave., Philadelphia, PA 19111-5098, Attn: NPODS.