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Standard Terminology for Geosynthetics¹

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1. Referenced Documents

1.1 *ASTM Standards*:²

- C125** Terminology Relating to Concrete and Concrete Aggregates
- D1987** Test Method for Biological Clogging of Geotextile, Drainage Geocomposites, or Soil/Geotextile Filters
- D4354** Practice for Sampling of Geosynthetics and Rolled Erosion Control Products (RECPs) for Testing
- D4491/D4491M** Test Methods for Water Permeability of Geotextiles by Permittivity
- D4533/D4533M** Test Method for Trapezoid Tearing Strength of Geotextiles
- D4594/D4594M** Test Method for Effects of Temperature on Stability of Geotextiles
- D4595** Test Method for Tensile Properties of Geotextiles by the Wide-Width Method
- D4632/D4632M** Test Method for Grab Breaking Load and Elongation of Geotextiles
- D4716/D4716M** Test Method for Determining the (In-plane) Flow Rate per Unit Width and Hydraulic Transmissivity of a Geosynthetic Using a Constant Head
- D4751** Test Methods for Determining Apparent Opening Size of a Geotextile
- D4759** Practice for Determining the Specification Conformance of Geosynthetics
- D4833/D4833M** Test Method for Index Puncture Resistance of Geomembranes and Related Products
- D4873/D4873M** Guide for Identification, Storage, and Handling of Geosynthetic Rolls and Samples
- D4884/D4884M** Test Method for Strength of Sewn or Bonded Seams of Geotextiles
- D4885** Test Method for Determining Performance Strength of Geomembranes by the Wide Strip Tensile Method
- D5101** Test Method for Measuring the Filtration Compatibility of Soil-Geotextile Systems

- D5141** Test Method for Determining Filtering Efficiency and Flow Rate of the Filtration Component of a Sediment Retention Device
- D5262** Test Method for Determining the Unconfined Tension Creep and Creep Rupture Behavior of Planar Geosynthetics Used for Reinforcement Purposes
- D5322** Practice for Laboratory Immersion Procedures for Evaluating the Chemical Resistance of Geosynthetics to Liquids
- D5323** Practice for Determination of 2 % Secant Modulus for Polyethylene Geomembranes
- D5397** Test Method for Evaluation of Stress Crack Resistance of Polyolefin Geomembranes Using Notched Constant Tensile Load Test
- D5494** Test Method for the Determination of Pyramid Puncture Resistance of Unprotected and Protected Geomembranes
- D5496** Practice for In-Field Immersion Testing of Geosynthetics
- D5514/D5514M** Test Methods for Large-Scale Hydrostatic Puncture Testing of Geosynthetics
- D5567** Test Method for Hydraulic Conductivity Ratio (HCR) Testing of Soil/Geotextile Systems
- D5594** Test Method for Determination of the Vinyl Acetate Content of Ethylene-Vinyl Acetate (EVA) Copolymers by Fourier Transform Infrared Spectroscopy (FT-IR)
- D5617** Test Method for Multi-Axial Elongation of Geomembranes
- D5641/D5641M** Practice for Geomembrane Seam Evaluation by Vacuum Chamber
- D5747/D5747M** Practice for Tests to Evaluate the Chemical Resistance of Geomembranes to Liquids
- D5818** Practice for Exposure and Retrieval of Samples to Evaluate Installation Damage of Geosynthetics
- D5820** Practice for Pressurized Air Channel Evaluation of Dual-Seamed Geomembranes
- D5994/D5994M** Test Method for Measuring Core Thickness of Textured Geomembranes

1.2 *Federal Standard*:³

- Federal Standard 751a** Stitches, Seams, and Stitchings

¹ This terminology is under the jurisdiction of **D35** on Geosynthetics and is the direct responsibility of **D35.93** on Editorial and Terminology.

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

³ Available from DLA Document Services, Building 4/D, 700 Robbins Ave., Philadelphia, PA 19111-5094, <http://quicksearch.dla.mil>.