This international standard was developed in accordance with internationally recognized principles on standardization established in the Decision on Principles for the Development of International Standards, Guides and Recommendations issued by the World Trade Organization Technical Barriers to Trade (TBT) Committee.

Designation: D4439 – 20

Standard Terminology for Geosynthetics[1]

This standard is issued under the fixed designation D4439; 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 reapproval. A superscript epsilon (ε) indicates an editorial change since the last revision or reapproval.

1. Referenced Documents

1.1 *ASTM Standards:*[2]

C125 Terminology Relating to Concrete and Concrete Aggregates

D1987 Test Method for Biological Clogging of Geotextile 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 Strip 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 Evaluating the Unconfined Tension Creep and Creep Rupture Behavior of Geosynthetics

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 Method 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 Tension Test for Geosynthetics

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 service@astm.org. 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.

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