How You Can Contribute to Geosynthetics Standardization

Membership in Committee D35

The committee welcomes all technical experts with a desire to work toward further development of geosynthetics standardization. Meetings are held twice a year, in January and June. Standards development work continues all year long through electronic tools and virtual meetings.

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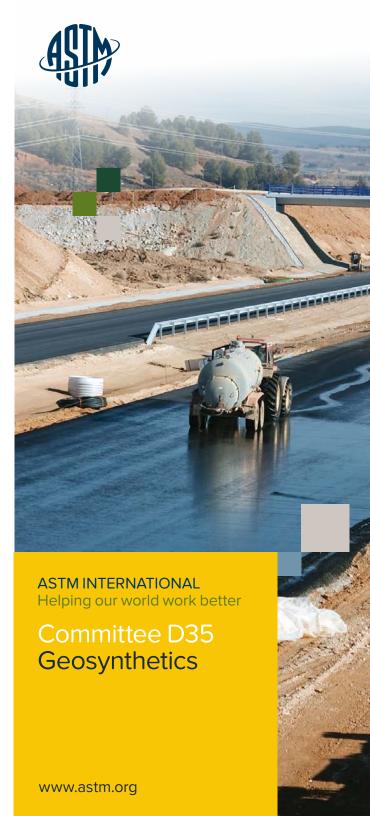
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Formed in 1984, ASTM Committee D35 develops standard test methods, specifications, guides, practices and terminology dealing with geosynthetics. These international standards address things like geotextiles, geogrids, drainage nets, drainage composites, geosynthetic clay liners, geosynthetic erosion control products and sediment retention devices, geosynthetic strips, geofoam and geomembranes.

The work of Committee D35 is coordinated with other related ASTM committees, such as D13 on Textiles, D18 on Soil and Rock and D34 on Waste Management. A diverse membership of more than 450 technical experts from 42 countries comprise the 10 subcommittees that are a part of D35. These subcommittees oversee more than 160 geosynthetics standards published annually by ASTM.



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D35 Subcommittees and Standards

A sampling of D35's subcommittees and some key standards are listed below.

Subcommitte D35.01 on Mechanical Properties

- D4354 Standard Practice for Sampling of Geosynthetics and Rolled Erosion Control Products (RECPs) for Testing
- D4595 Standard Test Method for Tensile Properties of Geotextiles by the Wide-Width Strip Method
- D5261Standard Test Method for Measuring Mass per Unit Area of Geotextiles
- D6241Standard Test Method for Static Puncture Strength of Geotextiles and Geotextile-Related Products Using a 50-mm Probe
- D6706 Standard Test Method for Measuring Geosynthetic Pullout Resistance in Soil

Subcommitte D35.02 on Endurance Properties

- D5397 Standard Test Method for Evaluation of Stress Crack Resistance of Polyolefin Geomembranes Using Notched Constant Tensile Load Test
- D5596 Standard Test Method For Microscopic Evaluation of the Dispersion of Carbon Black in Polyolefin Geosynthetics



Subcommitte D35.03 on Permeability and Filtration

- D4751 Standard Test Methods for Determining Apparent Opening Size of a Geotextile
- D5101 Standard Test Method for Measuring the Filtration Compatibility of Soil-Geotextile Systems
- D5199 Standard Test Method for Measuring the Nominal Thickness of Geosynthetics
- D6767 Standard Test Method for Pore Size
 Characteristics of Geotextiles by Capillary Flow Test

Subcommitte D35.04 on Geosynthetic Clay Liners

- D5890 Standard Test Method for Swell Index of Clay Mineral Component of Geosynthetic Clay Liners
- D5993 Standard Test Method for Measuring Mass per Unit Area of Geosynthetic Clay Liners

Subcommitte D35.05 on Geosynthetic Erosion Control

- D6566 Standard Test Method for Measuring Mass
 Per Unit Area of Turf Reinforcement Mats
- D6567 Standard Test Method for Measuring the Light Penetration of a Rolled Erosion Control Product (RECP)
- D6818Standard Test Method for Tensile Properties of Rolled Erosion Control Products

Subcommitte D35.06 on Geosynthetic Specifications

- D7176 Standard Specification for Non-Reinforced Polyvinyl Chloride (PVC) Geomembranes Used in Buried Applications
- D7239 Standard Specification for Hybrid Geosynthetic Paving Mat for Highway Applications
- D7408 Standard Specification for Non-Reinforced PVC (Polyvinyl Chloride) Geomembrane Seams

Subcommitte D35.10 on Geomembranes

- D4885 Standard Test Method for Determining Performance Strength of Geomembranes by the Wide Strip Tensile Method
- D5323 Standard Practice for Determination of 2 % Secant Modulus for Polyethylene Geomembranes
- D5617 Standard Test Method for Multi-Axial Tension Test for Geosynthetics
- D6392 Standard Test Method for Determining the Integrity of Nonreinforced Geomembrane Seams Produced Using Thermo-Fusion Methods