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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Committee D35 Geosynthetics

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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
- **D5261** Standard Test Method for Measuring Mass per Unit Area of Geotextiles
- **D6241** Standard 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)
- **D6818** Standard 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