

GeoTesting Express, Inc. (GTX), has a staff with years of experience in testing and designing with geosynthetics. GTX's accredited laboratories work twenty-four hours a day, seven days a week to provide the most responsive service in the industry.

# Geosynthetic Testing

## Capabilities of GeoTesting Express' Geosynthetic Testing

GeoTesting Express performs over 150 standard geosynthetic tests according to the appropriate American Society for Testing and Materials (ASTM), International Standards Organization (ISO), Geosynthetic Research Institute (GRI) and Federal Test Method Standard (FTMS) standards. Our staff has years of experience testing and designing with geosynthetics. We've provided laboratory testing in support of thousands of projects utilizing geosynthetics. Our accredited laboratories work twenty-four hours a day, seven days a week to provide the most responsive service in the industry. We can perform in-plant sampling of geosynthetics at any manufacturing facility in the world.

Typical Geomembrane Tests Performed	Test Method
Asperity	ASTM D7466
Carbon Black Content	ASTM D1603 / D4218
Carbon Black Dispersion	ASTM D3015 / D5596
Density	ASTM D792 / D1505
Dimensional Stability	ASTM D1204
Melt Index	ASTM D1238
Thickness	ASTM D751 / D1593 / D5199 / D5994
Puncture Resistance/Strength	FTMS 2065 / ASTM D4833
Tear Resistance	ASTM D1004
Tensile Strength & Elongation	ASTM D6693 / D882
Seam Destructive Test	ASTM D6392
Wide-Width Tensile	ASTM D4885

For More Information Contact:

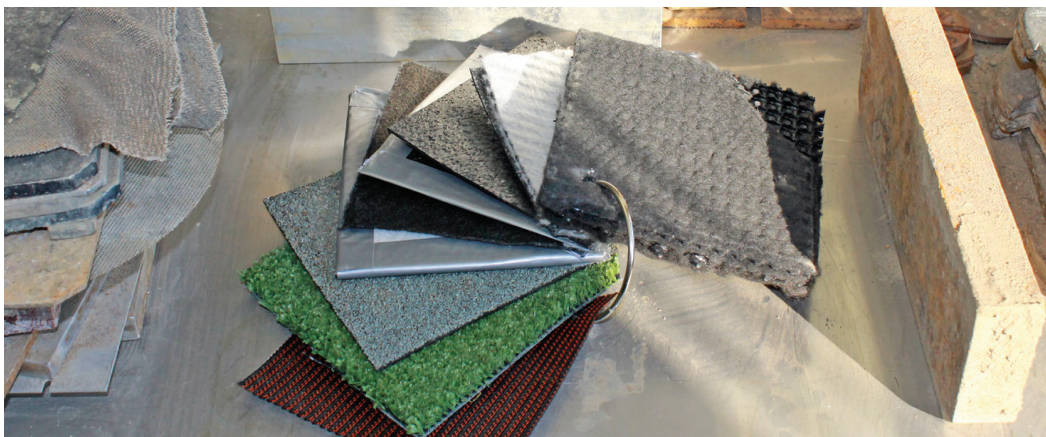
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# Geosynthetic Testing

## Full Service Geosynthetics Laboratory

Typical Soil/Geosynthetic Interaction Tests Performed	Test Method
Gradient Ratio	ASTM D5101
Hydraulic Conductivity Ratio	ASTM D5567
Interface Shear	ASTM D5321 / D6243
Pullout Test	ASTM D6706

Typical Geocomposite Tests Performed	Test Method
Compression Test	ASTM D1621 / D6364
Transmissivity	ASTM D4716
Thickness	ASTM D5199
Ply Adhesion	ASTM D413 / D7005 / F904

Typical Geogrid Tests Performed	Test Method
Junction Strength	GRI GG2
Rib Strength	GRI GG1 / ASTM D6637
Stiffness	ASTM D1388

Typical Geofoam Tests Performed	Test Method
Compressive Strength	ASTM C165
Dimensions & Density	ASTM C303
Flexural Strength	ASTM C203

Typical GCL Tests Performed	Test Method
Fluid Loss	ASTM D5891
Index Flux / Permeability	ASTM D5887 / D5084
Internal Shear	ASTM D6243
Mass Per Unit Area	ASTM D5993
Moisture Content by Microwave	ASTM D4643
Peel Strength	ASTM D6496
Permeability with Incompatible Liquid	ASTM D6766
Swell Index	ASTM D5890
Tensile	ASTM D6768

Typical Geotextile Tests Performed	Test Method
Apparent Opening Size	ASTM D4751
Asphalt Retention	ASTM D6140
CBR Puncture	ASTM D6243
Grab Strength & Elongation	ASTM D4632
Mass Per Unit Area	ASTM D3776 / D5261
Mullen Burst	ASTM D3786
Thickness	ASTM D1777 / D5199
Permittivity	ASTM D4491
Puncture Strength	ASTM D4833
Seam Strength	ASTM D4884
Tensile Strength	ASTM D5035
Trapezoidal Tear Strength	ASTM D4533
Wide-Width Tensile Strength	ASTM D4595

Validated by the U.S.  
Army Corps of Engineers

Accredited by:

