

# Geonet, Geotextile and Geocomposite Standard Frequency of Testing



## Geonet Component<sup>(4)</sup>

Property	Test Method	Frequency of Testing (min.)*
Thickness, (mm)	ASTM D5199	per 50,000 sq. ft.
Peak Tensile Strength, lbs./in. (MD)	ASTM D5035	per 50,000 sq. ft.
Melt Flow Index, g/10 minutes (max.)	ASTM D1238, 190°C, 2.16kg	PER RESIN LOT
Density, g/cm <sup>3</sup>	ASTM D792, Method B	per 50,000 sq. ft.
Carbon Black Content	ASTM D4218	per 50,000 sq. ft.
Transmissivity <sup>(1)</sup> , m <sup>2</sup> /sec.	ASTM D4716	per 500,000 sq. ft.

## Geotextile Component (Prior to Lamination)

Property	Test Method	Frequency of Testing (min.)*
Mass per Unit Area, oz./sq. yd.	ASTM D5261	per 100,000 sq. ft.
Grab Tensile Strength, lbs.	ASTM D4632	per 100,000 sq. ft.
Grab Elongation, %	ASTM D4632	per 100,000 sq. ft.
Trapezoidal Tear, lbs.	ASTM D4533	per 100,000 sq. ft.
Puncture, lbs.	ASTM D4833	per 100,000 sq. ft.
Mullen Burst, psi	ASTM D3786	per 100,000 sq. ft.
Permittivity <sup>(2)</sup> , sec. <sup>-1</sup>	ASTM D4491	per 100,000 sq. ft.
Water Flow <sup>(2)</sup> , gpm./ft. <sup>2</sup>	ASTM D4491	per 100,000 sq. ft.
Apparent Opening Size, U.S. Std Sieve Size (max.)	ASTM D4751	per 100,000 sq. ft.
UV Resistance after 500 hours, % Strength Retained	ASTM D4355	PER RESIN FORMULATION

## Geocomposite<sup>(4)</sup>

Property	Test Method	Frequency of Testing (min.)*
Laminated Strength (Ply Adhesion), lbs./in.	ASTM D7005	per 50,000 sq. ft.
Transmissivity <sup>(3)</sup> , m <sup>2</sup> /sec.	ASTM D4716	per 500,000 sq. ft.

\*These test frequencies may be changed based on project specifications, and represent the minimum MQC testing performed. Additional costs may be incurred if required testing is greater than listed above.

Notes: (1) Geonet Transmissivity at a temp. of 21°C, gradient of 0.1 and a load of 10,000psf: seating time 15 min. between steel plates.

(2) At time of manufacture. Handling may change these properties.

(3) Geocomposite Transmissivity at a temp. of 21°C, gradient of 0.1 and a load of 10,000psf: seating time 15 min. between steel plates.

(4) Component Properties are prior to Lamination

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