

2-Sided Geocomposite

200mil Geonet



Geonet Component

Property	Test Method	Values	
Thickness, nominal (mm)	ASTM D5199	200	200
Thickness (min.), (mm)	ASTM D5199	180	180
Mass per Unit Area (min.), lbs./ft. ²	ASTM D5261	.17	.17
Peak Tensile Strength (min.), lbs./in.	ASTM D5035	45	45
Melt Flow Index (max.), g/10 minutes	ASTM D1238, 190°C, 2.16kg	≤1.0	≤1.0
Density, (min.), g/cm ³	ASTM D792, Method B	0.94	0.94
Carbon Black Content (range in %)	ASTM D4218	2 - 3	2 - 3
Transmissivity ⁽¹⁾ (MARV), m ² /sec.	ASTM D4716	1 x 10 ⁻³	1 x 10 ⁻³

Geotextile Component

Property	Test Method	Values	
Mass per Unit Area (min. ave.), oz./sq. yd.	ASTM D5261	6.0	8.0
Grab Tensile Strength (min. ave.), lbs.	ASTM D4632	170	225
Grab Elongation (min. ave.), %	ASTM D4632	50	50
Trapezoidal Tear (min. ave.), lbs.	ASTM D4533	70	90
Puncture (min. ave.), lbs.	ASTM D4833	95	140
Mullen Burst (min. ave.), psi	ASTM D3786	325	400
Permittivity ⁽²⁾ (min. ave.), sec. ⁻¹	ASTM D4491	1.60	1.26
Water Flow ⁽²⁾ (min. ave.), gpm./ft. ²	ASTM D4491	125	90
Apparent Opening Size (max.), U.S. Standard Sieve Size	ASTM D4751	70	80
UV Resistance after 500 hours (min. ave.), % Strength Retained	ASTM D4355	70	70

Geocomposite

Property	Test Method	Values	
Laminated Strength (Ply Adhesion) (min. ave.), lbs./in.	ASTM D7005	1	1
Transmissivity ⁽³⁾ (MARV), m ² /sec.	ASTM D4716	1 x 10 ⁻⁴	1 x 10 ⁻⁴

Notes: (1) Geonet Transmissivity at a temp. of 21°C, gradient of 1.0 and a load of 15,000 psf: 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 10,000 psf: seating time 15 min. between steel plates.

Notes:

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