

2-Sided Geocomposite

300mil Geonet



Geonet Component⁴

6-300-6

8-300-8

Property	Test Method	Minimum Average Roll Value ⁽⁵⁾	
Thickness, (mm)	ASTM D5199	300	300
*The thickness values may be changed due to project specifications (i.e., absolute minimum thickness)			
Peak Tensile Strength, lbs./in. (MD)	ASTM D5035	75	75
Melt Flow Index, g/10 minutes (max.)	ASTM D1238, 190°C, 2.16kg	≤1.0	≤1.0
Density, g/cm ³	ASTM D792, Method B	0.94	0.94
Carbon Black Content	ASTM D4218	2 - 3	2 - 3
Transmissivity ⁽¹⁾ , m ² /sec.	ASTM D4716	8 x 10 ⁻³	8 x 10 ⁻³

Geotextile Component (Prior to Lamination)

Property	Test Method	Minimum Average Roll Value ⁽⁵⁾	
Mass per Unit Area, oz./sq. yd.	ASTM D5261	6.0	8.0
Grab Tensile Strength, lbs.	ASTM D4632	170	225
Grab Elongation, %	ASTM D4632	50	50
Trapezoidal Tear, lbs.	ASTM D4533	70	90
Puncture, lbs.	ASTM D4833	95	140
Mullen Burst, psi	ASTM D3786	325	400
Permittivity ⁽²⁾ , sec. ⁻¹	ASTM D4491	1.60	1.26
Water Flow ⁽²⁾ , gpm./ft. ²	ASTM D4491	125	90
Apparent Opening Size, U.S. Std Sieve Size (max.)	ASTM D4751	70	80
UV Resistance after 500 hours, % Strength Retained	ASTM D4355	70	70

Geocomposite⁽⁴⁾

Property	Test Method	Minimum Average Roll Value ⁽⁵⁾	
Laminated Strength (Ply Adhesion), lbs./in.	ASTM D7005	1	1
Transmissivity ⁽³⁾ , m ² /sec.	ASTM D4716	9 x 10 ⁻⁴	9 x 10 ⁻⁴

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

(5) For Geonet, Melt Flow Index is a maximum value, and for Geotextile, AOS is a maximum average roll value.

(6) All roll lengths and widths have a tolerance of ±1%

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