



300 mil Geocomposite

Geonet Component ⁽¹⁾

Property	Test Method	Frequency	Minimum Average Roll Value
Thickness, mil (mm)	ASTM D5199	50,000 sf	300 (7.6)
Peak Tensile Strength MD, lbs./in. (N/mm)	ASTM D5035/7179	50,000 sf	75 (13.3)
Density, g/cm ³	ASTM D792, Method B	50,000 sf	0.94
Carbon Black Content (%)	ASTM D4218	50,000 sf	2 - 3
Transmissivity ⁽²⁾ , m ² /sec. (gal/min/ft)	ASTM D4716	500,000 sf	8 x 10 ⁻³ (38.6)

Geotextile Component ⁽¹⁾

Property	Test Method	Frequency	Minimum	Average	Roll Value
Mass per Unit Area, oz./sq. yd. (g/m ²)	ASTM D5261	100,000 sf	6.0 (203)	8.0 (271)	10.0 (339)
Grab Tensile Strength, lbs.(N)	ASTM D4632	100,000 sf	170 (757)	220 (979)	270 (1200)
Grab Elongation, %	ASTM D4632	100,000 sf	50	50	50
Trapezoidal Tear, lbs. (N)	ASTM D4533	100,000 sf	65 (289)	95 (423)	105 (467)
CBR Puncture, lbs (N)	ASTM D6241	500,000 sf	435 (1935)	600 (2670)	725 (3230)
Permittivity ⁽³⁾ , sec. ⁻¹	ASTM D4491	500,000 sf	1.5	1.3	1.1
Water Flow, ⁽³⁾ gpm./ft ² (l/min/m ²)	ASTM D4491	500,000 sf	110 (4479)	95 (3895)	80 (3280)
AOS, U.S. Sieve max (mm) ⁽³⁾	ASTM D4751	500,000 sf	70 (0.212)	80 (0.180)	100 (0.150)

Geocomposite

Property	Test Method	Frequency	Minimum	Average	Roll Value
Ply Adhesion, lbs./in. (g/cm)	ASTM D7005	50,000 sf	1 (178)	1 (178)	1 (178)
Transmissivity ⁽²⁾ , m ² /sec. (gal/min/ft)	ASTM D4716	500,000 sf	Double	9 x 10 ⁻⁴ (4.3)	9 x 10 ⁻⁴ (4.3)
	ASTM D4716	500,000 sf	Single	3 x 10 ⁻³ (14.5)	3 x 10 ⁻³ (14.5)
				7 x 10 ⁻⁴ (3.4)	2 x 10 ⁻³ (9.6)

Supply Information

Standard Roll Length ⁽⁴⁾	at Fabric Weight	6-oz	8-oz	10-oz
Double Sided		160	150	140
Single Sided		180	180	170

Notes:

- (1) Component properties are prior to lamination
- (2) Geonet & Geocomposite. Transmissivity at 21°C, gradient of 0.1, load of 10,000psf, seat time 15 min. between steel plates.
- (3) At time of manufacture. Handling may change these properties.
- (4) All roll widths are 14.5 feet. All roll lengths and widths have a tolerance of ±1%
- (5) UV Resistance after 500 hours for the geotextile componet exhibits 70% strength retained via ASTM D4355

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