

## TEXDRAIN® HIGH FLOW DRAINAGE GEOCOMPOSITE

### CERTIFIED PROPERTIES

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DOUBLE-SIDED GEOCOMPOSITE <sup>(3)</sup>			
PROPERTY	TEST METHOD	TEST FREQUENCY	VALUES
Transmissivity <sup>(1)</sup> (MD), m <sup>2</sup> /s (load=1,000 psf)	ASTM D 4716	200,000 ft <sup>2</sup>	7 x 10 <sup>-3</sup> (i = 0.1) 4 x 10 <sup>-3</sup> (i = 0.33)
Transmissivity(1) (MD), m <sup>2</sup> /sec (load = 15,000 psf)	ASTM D4716	200,000 ft <sup>2</sup>	7 x 10 <sup>-3</sup> (i = 0.02) 4 x 10 <sup>-3</sup> (i = 0.1)
Peel Adhesion (MD), lbs/in	ASTM D 7005	100,000 ft <sup>2</sup>	1.0
GEONET CORE <sup>(2)</sup>			
Thickness, mils	ASTM D 5199	50,000 ft <sup>2</sup>	340
Carbon Black Content, %	ASTM D 4218	50,000 ft <sup>2</sup>	2-3
Melt Flow Index, g/10 min	ASTM D 1238	per resin lot	≤1.0
Density, g/cm <sup>3</sup>	ASTM D 1505	per resin lot	0.94
GEOTEXTILE COMPONENTS <sup>(2)</sup>			
Mass per Unit Area oz/yd <sup>2</sup>	ASTM D 5261	100,000 ft <sup>2</sup>	6
Grab Tensile Strength, lbs	ASTM D 4632	100,000 ft <sup>2</sup>	160
Grab Elongation, %	ASTM D 4632	100,000 ft <sup>2</sup>	50
Trapezoidal Tear, lbs	ASTM D 4533	100,000 ft <sup>2</sup>	60
Puncture, lbs	ASTM D 4833	100,000 ft <sup>2</sup>	85
Permittivity, sec <sup>-1</sup>	ASTM D 4491	500,000 ft <sup>2</sup>	1.1
AOS, US Sieve Size (max)	ASTM D 4751	500,000 ft <sup>2</sup>	70
UV resistance after 500 hours, % Strength Retained	ASTM D 4355	Per resin formulation	70

1. Geocomposite transmissivity measured in the machine direction per ASTM D4716 with the following testing conditions: steel plate / Ottawa sand / geocomposite / 40 mil LLDPE geomembrane / steel plate, and seating period of 100 hours, with the flat side of the geocomposite facing the soft boundary as indicated with top (soil) / bottom (liner) label on the rolls. Digital indicator of hydraulic gradient is required during the transmissivity measurement at low gradients.

2. Geotextile and geonet properties listed are prior to lamination. Geocomposite properties and Geonet thickness are Minimum Average Values. Geotextile properties are Minimum Average Roll Values, except for AOS, which is Maximum Average Roll Value.

### UPDATED JANUARY 2010

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