

TEXDRAIN® BIPLANAR DRAINAGE GEOCOMPOSITE

CERTIFIED PROPERTIES

TEXDRAIN® TD 275 CERTIFIED PROPERTIES

DOUBLE-SIDED GEOCOMPOSITE ⁽³⁾			MINIMUM AVERAGE ROLL VALUE	
PROPERTY	TEST METHOD	TEST FREQUENCY	6 OZ/YD ² GEOTEXTILE	8 OZ/YD ² GEOTEXTILE
Transmissivity ⁽¹⁾ , m ² /s	ASTM D 4716	500,000 ft ²	7 X 10 ⁻⁴	7 X 10 ⁻⁴
Peel Adhesion, lbs/in	ASTM D 7005	50,000 ft ²	1	1
GEONET CORE ⁽²⁾				
Thickness, mils	ASTM D 5199	50,000 ft ²	275	275
Peak Tensile Strength, lbs/in	ASTM D 5035	50,000 ft ²	65	65
Melt Flow Index, g/10 min	ASTM D 1238	50,000 ft ²	≤1.0	≤1.0
Density, g/cm ³	ASTM D 1505	50,000 ft ²	0.94	0.94
Carbon Black Content, %	ASTM D 4218	50,000 ft ²	2-3	2-3
Transmissivity ⁽¹⁾ , m ² /sec	ASTM D 4716	500,000 ft ²	6 X 10 ⁻³	6 X 10 ⁻³
GEOTEXTILE COMPONENTS ⁽²⁾				
Mass per Unit Area oz/yd ²	ASTM D 5261	100,000 ft ²	6.0	8.0
Grab Tensile Strength, lbs	ASTM D 4632	100,000 ft ²	170	225
Grab Elongation, %	ASTM D 4632	100,000 ft ²	50	50
Trapezoidal Tear, lbs	ASTM D 4533	100,000 ft ²	70	90
Puncture, lbs	ASTM D 4833	100,000 ft ²	95	140
Permittivity, sec ⁻¹	ASTM D 4491	100,000 ft ²	1.60	1.26
Water Flow, gpm/ft ²	ASTM D 4491	100,000 ft ²	125	90
AOS, US Sieve Size (max)	ASTM D 4751	100,000 ft ²	70	80
UV resistance after 500 hours, % Strength Retained	ASTM D 4355	Per resin formulation	70	70

1. Geonet and geocomposite transmissivity measured in the machine direction using water at 21 degrees C, gradient of 0.1, load of 10,000 psf, and seating time of 15 minutes between steel plates. Values may vary based on dimension of the transmissivity specimen and specific laboratory.

2. Prior to lamination to geonet core. Thermal lamination may alter these properties. Geotextile properties are Minimum Average Roll Values, except for AOS, which is Maximum Average Roll Value.

3. Component Properties are prior to lamination to geonet core. Thermal lamination may alter these properties.