



Product Data Sheet

TexDrain® TD 300

TD 300 series is a composite drainage product produced by thermally laminating a 6 oz/yd² or 8 oz/yd² nonwoven geotextile to both sides of a polyethylene drainage net. TD 300 and its individual components conform to the physical property values listed below.

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	9 x 10 ⁻⁴	9 x 10 ⁻⁴
Peel Adhesion, lbs/in	ASTM D 7005	50,000 ft ²	1	1

2 Sided 300 mil Geonet Component			Minimum Average Roll Value	
Property	Test Method	Test Frequency	6 oz/yd ² geotextile	8 oz/yd ² geotextile
Thickness, mils	ASTM D5199	Per 50,000 ft ²	300	300
Peak Tensile Strength, lbs/in (MD)	ASTM D5035	Per 50,000 ft ²	75	75
Melt Flow Index, g/10 minutes	ASTM D1238	Per resin lot	≤1.0	≤1.0
Density, g/cm ³	ASTM D792, B	Per 50,000 ft ²	0.94	0.94
Carbon Black Content, %	ASTM D4218	Per 50,000 ft ²	2-3	2-3
Transmissivity ⁽¹⁾ , m ² /sec	ASTM D4716	Per 500,000 ft ²	8 x 10 ⁻³	8 x 10 ⁻³

Geotextile Component ⁽²⁾			Minimum Average Roll Value	
Property	Test Method	Test Frequency	6 oz/yd ² geotextile	8 oz/yd ² geotextile
Mass per Unit Area, oz/yd ²	ASTM D5261	Per 100,000 ft ²	6.0	8.0
Grab Tensile Strength, lbs	ASTM D4632	Per 100,000 ft ²	170	225
Grab Elongation, %	ASTM D4632	Per 100,000 ft ²	50	50
Trapezoidal Tear, lbs	ASTM D4533	Per 100,000 ft ²	70	90
Puncture, lbs	ASTM D4833	Per 100,000 ft ²	95	140
Permittivity, sec ⁻¹	ASTM D4491	Per 100,000 ft ²	1.60	1.26
Water Flow, gpm/ft ²	ASTM D4491	Per 100,000 ft ²	125	90
AOS, US Standard Sieve Size (max)	ASTM D4751	Per 100,000 ft ²	70	80
UV resistance after 500 hours, % Strength Retained	ASTM D4355	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.

The information and data contained herein are believed to be accurate and reliable, CETCO makes no warranty of any kind and accepts no responsibility for the results obtained through application of this information.