

PRODUCT DATA SHEET

GEOTEX® 1291

GEOTEX 1291 is a polypropylene, staple fiber, needlepunched nonwoven geotextile produced by Propex, and will meet the following Minimum Average Roll Values (MARV) when tested in accordance with the methods listed below. The fibers are needed to form a stable network that retains dimensional stability relative to each other. The geotextile is resistant to ultraviolet degradation and to biological and chemical environments normally found in soils.

GEOTEX 1291 conforms to the property values listed below.¹ Propex performs internal Manufacturing Quality Control (MQC) tests that have been accredited by the Geosynthetic Accreditation Institute – Laboratory Accreditation Program (GAI-LAP).

PROPERTY	TEST METHOD	MARV ²	
		ENGLISH	METRIC
Physical			
Mass/Unit Area	ASTM D-5261	12.0 oz/yd ²	407 g/m ²
Thickness	ASTM D-5199	115 mils	2.9 mm
Mechanical			
Tensile Strength (Grab)	ASTM D-4632	320 lbs	1424 N
Elongation	ASTM D-4632	50%	50%
Puncture	ASTM D-4833	210 lbs	934 N
CBR Puncture	ASTM D-6241	925 lbs	4115 N
Mullen Burst	ASTM D-3786	620 psi	4274 kPa
Trapezoidal Tear	ASTM D-4533	125 lbs	556 N
Endurance			
UV Resistance % Retained at 500 hrs	ASTM D-4355	70%	70%
Hydraulic			
Apparent Opening Size (AOS) ³	ASTM D-4751	100 US Std. Sieve	0.150 mm
Permittivity	ASTM D-4491	0.80 sec ⁻¹	0.80 sec ⁻¹
Permeability	ASTM D-4491	0.29 cm/sec	0.29 cm/sec
Water Flow Rate	ASTM D-4491	60 gpm/ft ²	2445 l/min/m ²
Roll Sizes		15 ft x 300 ft	4.57 m x 91.5 m

NOTES:

1. The property values listed above are effective 06/2009 and are subject to change without notice.
2. Values shown are in weaker principal direction. Minimum average roll values (MARV) are calculated as the typical minus two standard deviations. Statistically, it yields a 97.7% degree of confidence that any samples taken from quality assurance testing will exceed the value reported.
3. Maximum average roll value.



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