

PRODUCT DATA SHEET

GEOTEX® 311

GEOTEX 311 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 311 conforms to the property values listed below¹. 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
Mechanical			
Tensile Strength (Grab)	ASTM D-4632	80 lbs	356 N
Elongation	ASTM D-4632	50%	50%
Puncture	ASTM D-4833	50 lbs	222 N
CBR Puncture	ASTM D-6241	210 lbs	934 N
Mullen Burst	ASTM D-3786	150 psi	1034 kPa
Trapezoidal Tear	ASTM D-4533	30 lbs	134 N
Endurance			
UV Resistance % Retained at 500 hrs	ASTM D-4355	70%	70%
Hydraulic			
Apparent Opening Size (AOS) ³	ASTM D-4751	50 US Std. Sieve	0.300 mm
Permittivity	ASTM D-4491	2.0 sec ⁻¹	2.0 sec ⁻¹
Water Flow Rate	ASTM D-4491	150 gpm/ft ²	6112 l/min/m ²
Roll Sizes		12.5 ft x 360 ft 15 ft x 360 ft	3.81 m x 109.8 m 4.57 m x 109.8 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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