

PRODUCT DATA SHEET

GEOTEX® 701

GEOTEX 701 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 needled 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 701 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
Mechanical			
Grab Tensile Strength	ASTM D4632	180 lbs	801 N
Grab Elongation	ASTM D4632	50%	50%
Puncture Strength	ASTM D4833	100 lbs	445 N
Mullen Burst	ASTM D3786	330 psi	2275 kPa
Trapezoidal Tear	ASTM D4533	75 lbs	334 N
Endurance			
UV Resistance	ASTM D4355	70%	70%
Hydraulic			
Apparent Opening Size (AOS) ³	ASTM D4751	70 US Std. Sieve	0.212 mm
Permittivity	ASTM D4491	1.50 sec ⁻¹	1.50 sec ⁻¹
Water Flow Rate	ASTM D4491	1.10 gpm/ft ²	4480 l/min/m ²
Roll Sizes		12.5 ft x 360 ft	3.81 m x 109.8 m
		15 ft x 300 ft	4.57 m x 91.5 m

NOTES:

1. The property values listed above are effective 08/2006 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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