

# 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.<sup>1</sup> 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 <sup>2</sup>	
		ENGLISH	METRIC
<b>Mechanical</b>			
Tensile Strength (Grab)	ASTM D-4632	180 lbs	801 N
Elongation	ASTM D-4632	50%	50%
Puncture	ASTM D-4833	100 lbs	445 N
CBR Puncture	ASTM D-6241	460 lbs	2046 N
Mullen Burst	ASTM D-3786	330 psi	2275 kPa
Trapezoidal Tear	ASTM D-4533	75 lbs	334 N
<b>Endurance</b>			
UV Resistance % Retained at 500 hrs	ASTM D-4355	70%	70%
<b>Hydraulic</b>			
Apparent Opening Size (AOS) <sup>3</sup>	ASTM D-4751	70 US Std. Sieve	0.212 mm
Permittivity	ASTM D-4491	1.50 sec <sup>-1</sup>	1.50 sec <sup>-1</sup>
Water Flow Rate	ASTM D-4491	110 gpm/ft <sup>2</sup>	4480 l/min/m <sup>2</sup>
<b>Roll Sizes</b>		<b>12.5 ft x 360 ft</b> <b>15 ft x 300 ft</b>	<b>3.81 m x 109.8 m</b> <b>4.57 m x 91.5 m</b>

### 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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