

# PRODUCT DATA SHEET

## GEOTEX® 1071

GEOTEX 1071 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 1071 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>Physical</b>			
Mass/Unit Area	ASTM D-5261	10.0 oz/yd <sup>2</sup>	339 g/m <sup>2</sup>
Thickness	ASTM D-5199	105 mils	2.7 mm
<b>Mechanical</b>			
Tensile Strength (Grab)	ASTM D-4632	270 lbs	1202 N
Elongation	ASTM D-4632	50%	50%
Puncture	ASTM D-4833	160 lbs	712 N
CBR Puncture	ASTM D-6241	725 lbs	3225 N
Mullen Burst	ASTM D-3786	520 psi	3585 kPa
Trapezoidal Tear	ASTM D-4533	105 lbs	467 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	100 US Std. Sieve	0.150 mm
Permittivity	ASTM D-4491	1.2 sec <sup>-1</sup>	1.2 sec <sup>-1</sup>
Permeability	ASTM D-4491	0.30 cm/sec	0.30 cm/sec
Water Flow Rate	ASTM D-4491	85 gpm/ft <sup>2</sup>	3463 l/min/m <sup>2</sup>
<b>Roll Sizes</b>		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.



THE ADVANTAGE CREATORS.™

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