

# 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 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 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	180 lbs	801 N
Mullen Burst	ASTM D-3786	520 psi	3585 kPa
Trapezoidal Tear	ASTM D-4533	105 lbs	467 N
<b>Endurance</b>			
UV Resistance	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 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.



THE ADVANTAGE CREATORS.™

Propex Inc.  
6025 Lee Highway, Suite 425  
PO Box 22788  
Chattanooga, TN 37422

PH: 423 899 0444  
PH: 800 621 1273  
FAX: 423 899 7619  
www.geotextile.com

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