

# PRODUCT DATA SHEET

## GEOTEX® 1291

**GEOTEX 1291** 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 1291** 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	12.0 oz/yd <sup>2</sup>	407 g/m <sup>2</sup>
Thickness	ASTM D-5199	115 mils	2.9 mm
<b>Mechanical</b>			
Tensile Strength (Grab)	ASTM D-4632	320 lbs	1424 N
Elongation	ASTM D-4632	50%	50%
Puncture	ASTM D-4833	210 lbs	934 N
Mullen Burst	ASTM D-3786	620 psi	4274 kPa
Trapezoidal Tear	ASTM D-4533	125 lbs	556 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	0.80 sec <sup>-1</sup>	0.80 sec <sup>-1</sup>
Permeability	ASTM D-4491	0.29 cm/sec	0.29 cm/sec
Water Flow Rate	ASTM D-4491	60 gpm/ft <sup>2</sup>	2445 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

Geotex®, Landlok®, Pyramat®, X3®, SuperGro®, Petromat® and Petrotac® are registered trademarks of Propex Inc. THIS PUBLICATION SHOULD NOT BE CONSTRUED AS ENGINEERING ADVICE. WHILE INFORMATION CONTAINED IN THIS PUBLICATION IS ACCURATE TO THE BEST OF OUR KNOWLEDGE, PROPEX DOES NOT WARRANT ITS ACCURACY OR COMPLETENESS. THE ULTIMATE CUSTOMER AND USER OF THE PRODUCTS SHOULD ASSUME SOLE RESPONSIBILITY FOR THE FINAL DETERMINATION OF THE SUITABILITY OF THE INFORMATION AND THE PRODUCTS FOR THE CONTEMPLATED AND ACTUAL USE. THE ONLY WARRANTY MADE BY PROPEX FOR ITS PRODUCTS IS SET FORTH IN OUR PRODUCT DATA SHEETS FOR THE PRODUCT, OR SUCH OTHER WRITTEN WARRANTY AS MAY BE AGREED BY PROPEX AND INDIVIDUAL CUSTOMERS. PROPEX SPECIFICALLY DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION, WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, OR ARISING FROM PROVISION OF SAMPLES, A COURSE OF DEALING OR USAGE OF TRADE.