

PRODUCT DATA SHEET

GEOTEX® 12x1

GEOTEX 12x1 is a structural soil reinforcement geotextile containing high tenacity polyester multifilament (warp) and polypropylene slit tape yarns (fill) produced by Propex, and will meet the following Minimum Average Roll Values (MARV) when tested in accordance with the methods listed below. The individual yarns are woven to form a strong geotextile. These characteristics make the **GEOTEX 12x1** ideal for the construction of steepened slopes and modular block and/or wrapped-face retaining walls. This geotextile is resistant to ultraviolet degradation and to biological and chemical environments normally found in soils.

GEOTEX 12x1 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			
Wide Width Tensile	ASTM D-4595	14400 lbs/ft	210.2 kN/m
Wide Width Elongation	ASTM D-4595	11%	11%
Wide Width Tensile Strength at 5% Strain	ASTM D-4595	6000 lbs/ft	87.6 kN/m
Long-term Design Strength (LTDS)	GRI-GT7	7685 lbs/ft	112.2 kN/m
Puncture	ASTM D-4833	180 lbs	800 N
Trapezoidal Tear	ASTM D-4533	400 lbs	1780 N
Endurance			
UV Resistance	ASTM D-4355	N/A	N/A
Hydraulic			
Apparent Opening Size (AOS) ³	ASTM D-4751	30 US Std. Sieve	0.600 mm
Permittivity	ASTM D-4491	0.03 sec ⁻¹	0.03 sec ⁻¹
Water Flow Rate	ASTM D-4491	2 gpm/ft ²	80 l/min/m ²
Roll Sizes		7.5 ft x 300 ft	2.29 m x 91.46 m

NOTES:

- The property values listed above are effective 08/2006 and are subject to change without notice.
- Values reported in machine (warp) 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.
- 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.