

# PRODUCT DATA SHEET

GEOTEX® 4x6

**GEOTEX 4x6** is a structural soil reinforcement geotextile containing heavy monofilament (warp) and fibrillated (fill) yarns 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 in a unique twill pattern to form a strong geotextile. These characteristics make the **GEOTEX 4x6** ideal for the construction of embankments over soft soils, steepened slopes, lagoon closures, and modular block and/or wrapped-face retaining walls. The geotextile is resistant to ultraviolet degradation and to biological and chemical environments for normally found in soils.

**GEOTEX 4x6** 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	600 x 700 lbs	2670 x 3114 N
Elongation	ASTM D-4632	15 x 15%	15 x 15%
Wide Width Tensile	ASTM D-4595	4800 x 7200 lbs/ft	70 x 105 kN/m
Wide Width Elongation	ASTM D-4595	14 x 9%	14 x 9%
Wide Width Tensile Strength at 5% Strain	ASTM D-4595	1200 x 2640 lbs/ft	17.5 x 38.5 kN/m
Puncture	ASTM D-4833	280 lbs	1246 N
Mullen Burst	ASTM D-3786	1200+ psi	8270+ kPa
Trapezoidal Tear	ASTM D-4533	180 x 275 lbs	801 x 1223 N
<b>Endurance</b>			
UV Resistance % Retained at 500 hrs	ASTM D-4355	80%	80%
<b>Hydraulic</b>			
Apparent Opening Size (AOS) <sup>3</sup>	ASTM D-4751	40 US Std. Sieve	0.425 mm
Permittivity	ASTM D-4491	0.26 sec <sup>-1</sup>	0.26 sec <sup>-1</sup>
Water Flow Rate	ASTM D-4491	20 gpm/ft <sup>2</sup>	810 l/min/m <sup>2</sup>
<b>Roll Sizes</b>		15 ft x custom	4.57 m x custom

**NOTES:**

1. The property values listed above are effective 09/2008 and are subject to change without notice.
2. Values for machine (warp) and cross-machine (fill), respectively, under dry or saturated conditions. 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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