



**GEOTEX 4X6** is a woven polypropylene geotextile containing heavy woven monofilament/fibrillated yarns produced by Propex, and will meet the following Minimum Average Roll Values (MARV) when tested in accordance with the methods listed below. These characteristics make **GEOTEX 4X6** ideal for the construction of embankments over soft soils, steepened slopes, 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).

MARV<sup>2</sup>

PROPERTY	TEST METHOD	ENGLISH	METRIC
<b>ORIGIN OF MATERIALS</b>			
% U.S. Manufactured Inputs		100%	100%
% U.S. Manufactured		100%	100%
<b>MECHANICAL</b>			
Tensile Strength (Grab)	ASTM D-4632	600 x 700 lbs	2670 x 3115 N
Elongation	ASTM D-4632	15%	15%
Wide Width Tensile	ASTM D-4595	4800 x 7200 lbs/ft	70.1 x 105.1 kN/m
Wide Width Elongation	ASTM D-4595	14 x 9%	14 x 9%
Wide Width Tensile at 5% Strain	ASTM D-4595	1200 x 2640 lbs/ft	17.5 x 38.5 kN/m
Trapezoidal Tear	ASTM D-4533	180 x 275 lbs	801 x 1224 N
CBR Puncture	ASTM D-6241	2400 lbs.	10675.7 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>	815 lpm/m <sup>2</sup>
<b>ROLL SIZES</b>		15.0 ft x Custom	4.6 m x Custom

**NOTES:**

1. The property values listed above are effective 04/2011 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.



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