



GEOTEX 4X4 is a woven polypropylene geotextile containing heavy woven tape/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 4X4** 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 normally found in soils.

GEOTEX 4X4 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).

MARV²

PROPERTY	TEST METHOD	ENGLISH	METRIC
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ORIGIN OF MATERIALS

% U.S. Manufactured Inputs		100%	100%
% U.S. Manufactured		100%	100%

MECHANICAL

Tensile Strength (Grab)	ASTM D-4632	600 x 500 lbs	2670 x 2225 N
Elongation	ASTM D-4632	15%	15%
Wide Width Tensile	ASTM D-4595	4800 x 4800 lbs/ft	70.1 x 70.1 kN/m
Wide Width Elongation	ASTM D-4595	10 x 8%	10 x 8%
Wide Width Tensile at 5% Strain	ASTM D-4595	660 x 1500 lbs/ft	9.7 x 21.9 kN/m
CBR Puncture	ASTM D-6241	2200 lbs	9786 N
Trapezoidal Tear	ASTM D-4533	250 lbs	1112.5 N

ENDURANCE

UV Resistance % Retained at 500 hrs	ASTM D-4355	90%	90%
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HYDRAULIC

Apparent Opening Size (AOS) ³	ASTM D-4751	30 US Std. Sieve	0.600 mm
Permittivity	ASTM D-4491	0.15 sec ⁻¹	0.15 sec ⁻¹
Water Flow Rate	ASTM D-4491	10 gpm/ft ²	407.4 lpm/m ²

ROLL SIZES	12.5 ft x 216 ft	3.81 m x 65.8 m
	15.0 ft x 180 ft	4.57 m x 54.9 m
	18.0 ft x 150 ft	5.48 m x 45.7 m

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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simplifying complexity

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