



**GEOTEX 2X2HF** 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 2X2HF** 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 2X2HF** 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	315 x 315 lbs	1401.8 x 1401.8 N
Elongation	ASTM D-4632	15%	15%
Wide Width Tensile	ASTM D-4595	2400 x 2400 lbs/ft	35.0 x 35.0 kN/m
Wide Width Elongation	ASTM D-4595	12 x 8%	12 x 8%
Wide Width Tensile at 2% Strain	ASTM D-4595	240 x 240 lbs/ft	3.5 x 3.5 kN/m
Wide Width Tensile at 5% Strain	ASTM D-4595	780 x 1404 lbs/ft	11.4 x 20.5 kN/m
Wide Width Tensile at 10% Strain	ASTM D-4595	1800 x 2520 lbs/ft	26.2 x 36.8 kN/m
CBR Puncture	ASTM D-6241	1400 lbs	6230 N
Trapezoidal Tear	ASTM D-4533	125 lbs	556 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	0.70 sec <sup>-1</sup>	0.70 sec <sup>-1</sup>
Water Flow Rate	ASTM D-4491	50 gpm/ft <sup>2</sup>	2037 lpm/m <sup>2</sup>
<b>ROLL SIZES</b>		15.0 ft x 300 ft	4.6 m x 91.5 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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SYSTEMS**  
BY PROPEX

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