



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 normally found in soils.

GEOTEX 2X2HF 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). This product is NTPEP approved for AASHTO standards.

MARV²

PROPERTY	TEST METHOD	ENGLISH	METRIC
ORIGIN OF MATERIALS			
% U.S. Manufactured Inputs		100%	100%
% U.S. Manufactured		100%	100%
MECHANICAL			
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
ENDURANCE			
UV Resistance % Retained at 500 hrs	ASTM D-4355	90%	90%
HYDRAULIC			
Apparent Opening Size (AOS) ³	ASTM D-4751	40 US Std. Sieve	0.425 mm
Permittivity	ASTM D-4491	0.70 sec ⁻¹	0.70 sec ⁻¹
Water Flow Rate	ASTM D-4491	50 gpm/ft ²	2037 lpm/m ²
ROLL SIZES		15.0 ft x 300 ft	4.6 m x 91.5 m

NOTES:

- The property values listed above are effective 04/2011 and are subject to change without notice.
- 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.
- Maximum average roll value.



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