

GEOTEX[®] 4X4HF is a woven polypropylene geotextile containing heavy woven serrated/serrated 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[®] 4X4HF 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[®] 4X4HF conforms to the property values listed below¹. Propex performs internal Manufacturing Quality Control (MQC) tests that have been accredited by the Geosynthetic Accreditation Institute – Laboratory Accreditation Program (GAI-LAP).

		MARV ²	
PROPERTY	TEST METHOD	ENGLISH	METRIC
ORIGIN OF MATERIALS			
% U.S. Manufactured		100%	100%
MECHANICAL			
Wide Width Tensile	ASTM D-4595	4800 x 4800 lbs/ft	70.1 x 70.1 kN/m
Wide Width Elongation	ASTM D-4595	9 x 9 %	9 x 9 %
Wide Width Tensile at 2% Strain	ASTM D-4595	960 x 1320 lbs/ft	14 x 19.3 kN/m
Wide Width Tensile at 5% Strain	ASTM D-4595	2400 x 2700 lbs/ft	35 x 39.4 kN/m
CBR Puncture	ASTM D-6241	2000 lbs	8896 N
Trapezoidal Tear	ASTM D-4533	180 x 180 lbs	801 x 801 N
ENDURANCE			
UV Resistance at 500 hrs	ASTM D-4355	80%	80%
HYDRAULIC			
Apparent Opening Size (AOS) ³	ASTM D-4751	30 US Std. Sieve	0.600 mm
Permittivity	ASTM D-4491	0.40 sec ⁻¹	0.40 sec ⁻¹
Water Flow Rate	ASTM D-4491	30 gpm/ft ²	1222 l/min/m ²
ROLL SIZES⁴		15.0 ft x 300 ft	4.6 m x 91.5 m

NOTES:

- The property values listed above are effective 04/03/2017 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.
- Contact your local Territory Business Manager (TBM) for custom widths and colors. Lead times may vary depending on customer requirements and volume requested.



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