

PRODUCT DATA SHEET

GEOTEX® 3x3HF

GEOTEX 3X3HF is a woven polypropylene geotextile containing heavy 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 3X3HF 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 3X3HF 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).

PROPERTY	TEST METHOD	MARV ²	
		ENGLISH	METRIC
Mechanical			
Tensile Strength (Grab)	ASTM D-4632	450 x 350 lbs	2000 x 1550 N
Elongation	ASTM D-4632	15 x 6%	15 x 6%
Wide Width Tensile	ASTM D-4595	3600 x 3600 lbs/ft	52 x 52 kN/m
Wide Width Elongation	ASTM D-4595	15 x 10%	15 x 10%
Wide Width Tensile Strength at 5% Strain	ASTM D-4595	1392 x 1740 lbs/ft	20.3 x 25.4 kN/m
Puncture	ASTM D-4833	180 lbs	800 N
CBR Puncture	ASTM D-6241	1600 lbs	7117 N
Mullen Burst	ASTM D-3786	1000 psi	6890 kPa
Trapezoidal Tear	ASTM D-4533	180 x 120 lbs	800 x 534 N
Endurance			
UV Resistance % Retained 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	0.52 sec ⁻¹	0.52 sec ⁻¹
Water Flow Rate	ASTM D-4491	40 gpm/ft ²	1630 l/min/m ²
Roll Sizes		12.5 ft x 360 ft 15 ft x 300 ft	3.81 m x 109.8 m 4.57 m x 91.5 m

NOTES:

- The property values listed above are effective 12/2007 and are subject to change without notice.
- Values for machine (warp) and cross-machine (fill), respectively, under dry or saturated conditions. 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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