GEOTEX® BY PROPEX

PRODUCT DATA • 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 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). This product is NTPEP approved for AASHTO standards.

		MARV[2]	
PROPERTY	TEST METHOD	ENGLISH	METRIC
ORIGIN OF MATERIALS			
% U.S. Manufactured Inputs		100%	100%
% U.S. Manufactured		100%	100%
MECHANICAL			
Wide Width Tensile	ASTM D-4595	3600 x 3600 lbs/ft	52.6 x 52.6 kN/m
Wide Width Elongation	ASTM D-4595	10 x 5%	10 x 5%
Wide Width Tensile at 2% Strain	ASTM D-4595	480 x 420 lbs/ft	7.0 x 6.1 kN/m
Wide Width Tensile at 5% Strain	ASTM D-4595	1500 x 1560 lbs/ft	21.9 x 22.8 kN/m
Wide Width Tensile at 10% Strain	ASTM D-4595	3180 x 3480 lbs/ft	46.4 x 50.8 kN/m
CBR Puncture	ASTM D-6241	1600 lbs	7120 N
Trapezoidal Tear	ASTM D-4533	170 x 125 lbs	756 x 556 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	1629.8 lpm/m^2
ROLL SIZES		12.5 ft x 360 ft 15.0 ft x 300 ft	3.81 m x 109.8 m 4.57 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.

Propex™
simplifying complexity

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