

GEOTEX® 3X3HF is a woven polypropylene geotextile containing heavy woven monofilament/fibrillated yarns 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 below¹. 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 tested for AASHTO standards.

MARV²

PROPERTY	TEST METHOD	ENGLISH	METRIC
MECHANICAL			
Wide Width Tensile	ASTM D-4595	3600 x 3600 lbs/ft	52.5 x 52.5 kN/m
Wide Width Tensile at 2% Strain	ASTM D-4595	480 x 420 lbs/ft	7 x 6.1 kN/m
Wide Width Tensile at 5% Strain	ASTM D-4595	1392 x 1740 lbs/ft	20.3 x 25.4 kN/m
CBR Puncture	ASTM D-6241	1600 lbs	7117 N
Trapezoidal Tear	ASTM D-4533	180 x 140 lbs	801 x 623 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	0.80 sec ⁻¹	0.80 sec ⁻¹
Water Flow Rate	ASTM D-4491	60 gpm/ft ²	2445 l/min/m ²
ROLL SIZES⁴		15.0 ft x 300 ft	4.57 m x 91.5 m

NOTES:

1. The property values listed above are effective 05/27/2020 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. Values represent testing at time of manufacture.
3. Maximum average roll value.
4. Contact your local Territory Business Manager (TBM) for custom widths and colors. Lead times may vary depending on customer requirements and volume requested.