GEOTEX® Woven

Product Data

GEOTEX® 4x4UF

GEOTEX® 4x4UF is a woven polypropylene geotextile containing high-tenacity filaments and will meet the following Minimum Average Roll Values (MARV) when tested in accordance with the methods listed below. These characteristics make GEOTEX® 4x4UF ideal for roadway reinforcement and subgrade stabilization, runway and railway construction, embankment support, MSE walls and environemental applications. The geotextile is resistant to ultraviolet degradation and to biological and chemical environments normally found in soils.

GEOTEX® 4x4UF 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).

		MARV[2]	
PROPERTY	TEST METHOD	ENGLISH	METRIC
ORIGIN OF MATERIALS			
% U.S. Manufactured		100%	100%
MECHANICAL			
Tensile Modulus at 2% Strain (XD)	ASTM D-4595	90000 lbs/ft	1313 kN/m
Wide Width Tensile at 2% Strain	ASTM D-4595	480 x 1800 lbs/ft	7 x 26.3 kN/m
Wide Width Tensile at 5% Strain	ASTM D-4595	1440 x 4380 lbs/ft	21 x 63.9 kN/m
Interaction Coefficient[4]	ASTM D-6706	0.9	0.9
ENDURANCE			
UV Resistance 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	1 sec-1	1 sec-1
Water Flow Rate	ASTM D-4491	75 gpm/ft²	3056 l/min/m²
ROLL SIZES[4]		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. Test value based on sand (SP) or gravel (GW).
5. Contact your local Territory Business Manager (TBM) for custom widths and colors. Lead times may vary depending on customer requirements and volume requested.

Propex GEOSOLUTIONS

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