GEOTEX® BY PROPEX

Product Data
GEOTEX 104F

GEOTEX 104F is a woven monofilament polypropylene geotextile produced by Propex, and will meet the following Minimum Average Roll Values (MARV) when tested in accordance with the methods listed below. The individual filaments are woven into a regular network and calendared such that filaments retain dimensional stability relative to each other. These characteristics make **GEOTEX 104F** ideal for filtration beneath hard armor systems. The geotextile is resistant to ultraviolet degradation and to biological and chemical environments normally found in soils.

GEOTEX 104F 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	MARV[2] METRIC
ORIGIN OF MATERIALS			
% U.S. Manufactured Inputs		100%	100%
% U.S. Manufactured		100%	100%
MECHANICAL			
Tensile Strength (Grab)	ASTM D-4632	370 x 250 lbs	1,647 x 1113 N
Elongation	ASTM D-4632	15 x 15%	15 x 15%
CBR Puncture	ASTM D-6241	950 lbs	4228 N
Trapezoidal Tear	ASTM D-4533	100 x 60 lbs	445 x 267 N
ENDURANCE			
UV Resistance % Retained at 500 hrs	ASTM D-4355	90%	90%
HYDRAULIC			
Apparent Opening Size (AOS)[3]	ASTM D-4751	70 US Std. Sieve	0.212 mm
Percent Open Area	CW-02215 MOD. [4]	4-6 %	4-6 %
Permittivity	ASTM D-4491	0.28 sec^{-1}	0.28 sec^{-1}
Water Flow Rate	ASTM D-4491	18 gpm/ft^2	733 lpm/m^2

ROLL SIZES	6 ft x 300 ft 12 ft x 300 ft	1.83 m x 91.5 m 3.66 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.
4. Army Corp of Engineers test method correlated to light emitted through fabric. (Area of Openings/Total Area X 100%)

GEOTEXTILE SYSTEMS BY PROPEX

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