

PRODUCT DATA SHEET

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	METRIC
Mechanical			
Tensile Strength (Grab)	ASTM D-4632	370 x 250 lbs	1,645 x 1110 N
Elongation	ASTM D-4632	15 x 15%	15 x 15%
Puncture	ASTM D-4833	120 lbs	534 N
CBR Puncture	ASTM D-6241	950 lbs	4226 N
Mullen Burst	ASTM D-3786	450 psi	3100 kPa
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 (POA)	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	730 l/min/m ²
Roll Sizes		6 ft x 300 ft 12 ft x 300 ft	1.83 m x 91.5 m 3.65 m x 91.5 m

NOTES:

1. The property values listed above are effective 09/2008 and are subject to change without notice.
2. 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.
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%)



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