

PRODUCT DATA SHEET

GEOTEX® 102F

GEOTEX 102F is a polypropylene woven monofilament/fibrillated 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 102F** 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 102F 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	350 x 250 lb	1550 x 1110 N
Elongation	ASTM D-4632	15 x 15 %	15 x 15 %
Puncture	ASTM D-4833	140 lb	622 N
Mullen Burst	ASTM D-3786	510 psi	3510 kPa
Trapezoidal Tear	ASTM D-4533	100 x 100 lb	445 x 445 N
Endurance			
UV Resistance	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	2%	2%
Permittivity	ASTM D-4491	0.28 sec ⁻¹	0.28 sec ⁻¹
Water Flow Rate	ASTM D-4491	22 gpm/ft ²	895 l/min/m ²
Roll Sizes		15 ft x 300 ft	4.57 m x 91.4 m

NOTES:

1. The property values listed above are effective 08/2006 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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