



GEOTEX 117F is a woven 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 such that filaments retain dimensional stability relative to each other. These characteristics make **GEOTEX 117F** ideal for filtration beneath hard armor systems and around leachate collection pipes. The geotextile is resistant to ultraviolet degradation and to biological and chemical environments for normally found in soils.

GEOTEX 117F 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).

MARV²

PROPERTY	TEST METHOD	ENGLISH	METRIC
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ORIGIN OF MATERIALS

% U.S. Manufactured Inputs		100%	100%
% U.S. Manufactured		100%	100%

MECHANICAL

Tensile Strength (Grab)	ASTM D-4632	255 x 275 lbs	1135 x 1224 N
Elongation	ASTM D-4632	20 x 15%	20 x 15%
CBR Puncture	ASTM D-6241	1000 lbs	4450 N
Trapezoidal Tear	ASTM D-4533	40 x 50 lbs	178 x 222 N

ENDURANCE

UV Resistance % Retained at 500 hrs	ASTM D-4355	90%	90%
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HYDRAULIC

Apparent Opening Size (AOS) ³	ASTM D-4751	20 US Std. Sieve	0.850 mm
Percent Open Area	CW-02215 MOD. ⁴	17%	17%
Permittivity	ASTM D-4491	1.50 sec ⁻¹	1.50 sec ⁻¹
Water Flow Rate	ASTM D-4491	200 gpm/ft ²	8,149 lpm/m ²

ROLL SIZES	12 ft x 300 ft	3.65 m x 91.44 m
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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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