



**GEOTEX 106F** is a woven monofilament polypropylene fabric 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 106F** 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 106F** conforms to the property values listed below.<sup>1</sup> Propex performs internal Manufacturing Quality Control (MQC) tests that have been accredited by the Geosynthetic Accreditation Institute – Laboratory Accreditation Program (GAI-LAP).

MARV<sup>2</sup>

PROPERTY	TEST METHOD	ENGLISH	METRIC
----------	-------------	---------	--------

**ORIGIN OF MATERIALS**

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

**MECHANICAL**

Tensile Strength (Grab)	ASTM D-4632	300 x 200 lbs	1335 x 890 N
Elongation	ASTM D-4632	15 x 15%	15 x 15%
CBR Puncture	ASTM D-6241	850 lbs	3782 N
Trapezoidal Tear	ASTM D-4533	65 x 65 lbs	289 x 289 N

**ENDURANCE**

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

**HYDRAULIC**

Apparent Opening Size (AOS) <sup>3</sup>	ASTM D-4751	40 US Std. Sieve	0.425 mm
Percent Open Area	CW-02215 MOD. <sup>4</sup>	6%	6%
Permittivity	ASTM D-4491	0.5 sec <sup>-1</sup>	0.5 sec <sup>-1</sup>
Water Flow Rate	ASTM D-4491	35 gpm/ft <sup>2</sup>	1426 lpm/m <sup>2</sup>

ROLL SIZES	12 ft x 330 ft	3.65 m x 100.6 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 e 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

ENGINEERING EARTH  
[www.geotextile.com](http://www.geotextile.com)

**Propex Operating Company, LLC** · 6025 Lee Highway, Suite 425 · PO Box 22788 · Chattanooga, TN 37422

ph 423 899 0444 · ph 800 621 1273 · fax 423 899 7619

Geotex<sup>®</sup>, Landlok<sup>®</sup>, Pyramat<sup>®</sup>, X3<sup>®</sup>, SuperGro<sup>®</sup>, Petromat<sup>®</sup> and Petrotac<sup>®</sup> are registered trademarks of Propex Operating Company, LLC.

This publication should not be construed as engineering advice. While information contained in this publication is accurate to the best of our knowledge, Propex does not warrant its accuracy or completeness. The ultimate customer and user of the products should assume sole responsibility for the final determination of the suitability of the information and the products for the contemplated and actual use. The only warranty made by Propex for its products is set forth in our product data sheets for the product, or such other written warranty as may be agreed by Propex and individual customers. Propex specifically disclaims all other warranties, express or implied, including without limitation, warranties of merchantability or fitness for a particular purpose, or arising from provision of samples, a course of dealing or usage of trade.

© 2011 Propex Operating Company, LLC