



**GEOTEX 135ST** is a woven polypropylene geotextile containing heavy woven flat tape yarns produced by Propex, and will meet the following Minimum Average Roll Values (MARV) when tested in accordance with the methods listed below. These characteristics make **GEOTEX 135ST** ideal for the construction of embankments over soft soils, steepened slopes, and modular block and/or wrapped-face retaining walls. The geotextile is resistant to ultraviolet degradation and to biological and chemical environments for normally found in soils.

**GEOTEX 135ST** conforms to the property values listed below<sup>1</sup>, as well as meets the requirements set forth by AASHTO M-288/NTPEP (Geotextile Specification for Highway Application). 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
<b>ORIGIN OF MATERIALS</b>			
% U.S. Manufactured Inputs		100%	100%
% U.S. Manufactured		100%	100%
<b>MECHANICAL</b>			
Tensile Strength (Grab)	ASTM D-4632	135 lbs	600.8 N
Elongation	ASTM D-4632	12%	12 %
CBR Puncture	ASTM D-6241	380 lbs	1691 N
Trapezoidal Tear	ASTM D-4533	55 lbs	245 N
<b>ENDURANCE</b>			
UV Resistance % Retained at 500 hrs	ASTM D-4355	70%	70%
<b>HYDRAULIC</b>			
Apparent Opening Size (AOS) <sup>3</sup>	ASTM D-4751	30 US Std. Sieve	0.600 mm
Permittivity	ASTM D-4491	0.05 sec <sup>-1</sup>	0.05 sec <sup>-1</sup>
Water Flow Rate	ASTM D-4491	4 gpm/ft <sup>2</sup>	163 lpm/m <sup>2</sup>
ROLL SIZES		12.5 ft x 108 ft	3.8 m x 32.9 m
		12.5 ft x 432 ft	3.8 m x 131.7 m
		15.0 ft x 360 ft	4.57 m x 109.8 m
		17.5 ft x 360 ft	5.34 m 109.8 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.



**GEOTEXTILE  
SYSTEMS**  
BY PROPEX

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