



**GEOTEX 250ST** is a woven polypropylene geotextile containing heavy woven tape/fibrillated 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 250ST** 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 250ST** 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
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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	250 lbs	1112.5 N
Elongation	ASTM D-4632	12%	12 %
Puncture	ASTM D-4833	110 lbs	489.5 N
CBR Puncture	ASTM D-6241	750 lbs	3337.5N
Mullen Burst	ASTM D-3786	500 psi	3447 kPa
Trapezoidal Tear	ASTM D-4533	90 lbs	400.5 N

**ENDURANCE**

UV Resistance % Retained at 500 hrs	ASTM D-4355	70%	70%
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**HYDRAULIC**

Apparent Opening Size (AOS) <sup>3</sup>	ASTM D-4751	40 US Std. Sieve	0.425 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 120 ft 17.5 ft x 86 ft	3.81 m x 36.6m 5.34 m x 26.2 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.

