

GEOTEX 315ST 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 315ST** 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 315ST 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).

MARV

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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	315 lbs	1402 N
Elongation	ASTM D-4632	12%	12%
CBR Puncture	ASTM D-6241	900 lbs	4005 N
Trapezoidal Tear	ASTM D-4533	113 lbs	503 N
ENDURANCE			
UV Resistance	ASTM D-4355	70%	70%
% Retained at 500 hrs			
HYDRAULIC			
Apparent Opening Size (AOS)3	ASTM D-4751	40 US Std. Sieve	0.425 mm
Permittivity	ASTM D-4491	0.1 sec ⁻¹	0.1 sec ⁻¹
Water Flow Rate	ASTM D-4491	4 gpm/ft²	163 lpm/m ²
		12.5 ft x 360 ft	3.8 m x 109.8 m
ROLL SIZES		15.0 ft x 300 ft	4.6 m x 91.5 m
		17.5 ft x 198 ft	5.3 m x 60.4 m

NOTES:

- 1. The property values listed above are effective 04/2011 and are subject to change without notice.
- 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.



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