GEOTEX® BY PROPEX

Product Data
GEOTEX 315ST

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).

PROPERTY	TEST METHOD	MARV[2] ENGLISH	MARV[2] 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%
Puncture	ASTM D-4833	150 lbs	667.5 N
CBR Puncture	ASTM D-6241	900 lbs	4005 N
Mullen Burst	ASTM D-3786	600 psi	4136 kPa
Trapezoidal Tear	ASTM D-4533	113 lbs	503 N
ENDURANCE			
UV Resistance % Retained at 500 hrs	ASTM D-4355	70%	70%
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/ft^2	163 lpm/m^2

ROLL SIZES	12.5 ft x 360 ft 15.0 ft x 300 ft 17.5 ft x 198 ft	3.8 m x 109.8 m 4.6 m x 91.5 m 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.
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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