



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).

MARV²

| 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 % 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.

