

Cascade

Manufacturers and Distributors since 1981

Erosion Control, Sediment Control, Drainage Products
Geosynthetics, Construction Materials, Reclamation Products

GEOTEX WOVEN GEOTEXTILES

GEOTEX® WOVEN PRODUCTS:

PRODUCT:	Tensile Strength	
	Metric	Imp.
GEOTEX 200ST	890N	200lbs.
GEOTEX 250ST	1110N	250lbs
GEOTEX 315ST	1400N	315lbs

Specifications



GEOTEX 200ST 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 200ST** 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 200ST 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
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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	200 lbs	890 N
Elongation	ASTM D-4632	12%	12%
CBR Puncture	ASTM D-6241	700 lbs	3115 N
Trapezoidal Tear	ASTM D-4533	75 lbs	333.8 N

ENDURANCE

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

Apparent Opening Size (AOS) ³	ASTM D-4751	40 US Std. Sieve	0.425 mm
Permittivity	ASTM D-4491	0.05 sec ⁻¹	0.05 sec ⁻¹
Water Flow Rate	ASTM D-4491	4 gpm/ft ²	163 lpm/m ²

ROLL SIZES	12.5 ft x 432 ft	3.81 m x 131.7 m
	15.0 ft x 360 ft	4.57 m x 109.7 m
	15.0 ft x 1500 ft	4.57 m x 457.2 m
	17.5 ft x 309 ft	5.33 m x 94.2 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.





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.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
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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 %
CBR Puncture	ASTM D-6241	750 lbs	3337.5N
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) 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	3.81 m x 109.7 m
		17.5 ft x 258 ft	5.34 m x 78.6 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.





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
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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	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%
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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	3.8 m x 109.8 m
	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.
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.

