

GEOTEX[®] 4 x 4

GEOTEX 4x4 is a woven polypropylene geotextile containing heavy monofilament (warp) and fibrillated (fill) yarns. The individual yarns are woven in a unique twill pattern to form a strong geotextile. These characteristics make the **GEOTEX 4x4** 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 4x4** conforms to the property values listed below¹ which have been derived from quality control testing performed by one of SI Geosolutions' GAI-LAP accredited laboratories:

MARV²

PROPERTY	TEST METHOD	ENGLISH	METRIC
Physical			
Mass/Unit Area	ASTM D5261	13.0 oz/y ²	440g/m
Thickness	ASTM D5199	55 mils	1.3 mm
Mechanical			
Wide Width Tensile Strength	ASTM D4595	4,800 x 4,800 lb/ft	70 x 70 kN/m
Wide Width Elongation	ASTM D4595	9 x 9%	9 x 9%
Wide Width Tensile @ 2% Strain	ASTM D4595	480 x 840 lb/ft	7.0 x 12.2 kN/m
Wide Width Tensile @ 5% Strain	ASTM D4595	2,400 x 2,400 lb/ft	35.0 x 35.0 kN/m
Wide Width Tensile @ 10% Strain	ASTM D4595	3,900 x 3,900 lb/ft	57.0 x 57.0 kN/m
Tensile Strength (Grab)	ASTM D4632	450 x 410 lbs	2000 x 1820 N
Puncture Strength	ASTM D4833	200 lb	890 N
Mullen Burst	ASTM D3786	1,200 psi	8,270 kPa
Trapezoidal Tear	ASTM D4533	225 x 225 lbs	1,000 x 1,000 N
Endurance			
UV Resistance	ASTM D4355	90%	90%
Hydraulic			
Apparent Opening Size (AOS)	ASTM D4751	30 US Std. Sieve	0.600 mm
Permittivity	ASTM D4491	0.60 sec ⁻¹	0.60 sec ⁻¹
Water Flow Rate	ASTM D4491	45 gpm/ft ²	1,830 l/min/m ²
Roll Sizes		15.0 ft x 300 ft	4.57 m x 91.46 m

NOTES:

- The property values listed above are effective 07/08/2002 and are subject to change without notice.
- Values for machine (warp) and cross-machine (fill), respectively, under dry or saturated conditions. 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.

SELLER MAKES NO WARRANTY, EXPRESS OR IMPLIED, CONCERNING THE PRODUCT FURNISHED HEREUNDER OTHER THAN AT THE TIME OF DELIVERY IT SHALL BE OF THE QUALITY AND SPECIFICATION STATED HEREIN. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS EXPRESSLY EXCLUDED, AND, TO THE EXTENT THAT IT IS CONTRARY TO THE FOREGOING SENTENCE, ANY IMPLIED WARRANTY OF MERCHANTABILITY IS EXPRESSLY EXCLUDED. ANY RECOMMENDATIONS MADE BY SELLER CONCERNING THE USES OR APPLICATIONS OF SAID PRODUCT ARE BELIEVED RELIABLE AND SELLER MAKES NO WARRANTY OF RESULTS TO BE OBTAINED. IF THE PRODUCT DOES NOT MEET SYNTHETIC INDUSTRIES CURRENT PUBLISHED SPECIFICATIONS, AND THE CUSTOMER GIVES NOTICE TO SYNTHETIC INDUSTRIES BEFORE INSTALLING THE PRODUCT, THEN SYNTHETIC INDUSTRIES WILL REPLACE THE PRODUCT WITHOUT CHARGE OR REFUND THE PURCHASE PRICE.