

PRODUCT DATA SHEET

GEOTEX® 4x1

GEOTEX 4x1 is a structural soil reinforcement geotextile containing high tenacity polyester multifilament (warp) and polypropylene slit tape yarns (fill) produced by Propex, and will meet the following Minimum Average Roll Values (MARV) when tested in accordance with the methods listed below. The individual yarns are woven to form a strong geotextile. These characteristics make the **GEOTEX 4x1** ideal for the construction of steepened slopes and modular block and/or wrapped-face retaining walls. This geotextile is resistant to ultraviolet degradation and to biological and chemical environments for normally found in soils.

GEOTEX 4x1 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	METRIC
Mechanical			
Tensile Strength (Grab)	ASTM D-4632	425 lbs	1890 N
Wide Width Tensile	ASTM D-4595	4800 lbs/ft	70 kN/m
Wide Width Elongation	ASTM D-4595	8%	8%
Wide Width Tensile Strength at 5% Strain	ASTM D-4595	1800 lbs/ft	26.2 kN/m
Long-term Design Strength (LTDS)	GRI-GT7	2272 lbs/ft	33.1 kN/m
Puncture	ASTM D-4833	100 lbs	445 N
Trapezoidal Tear	ASTM D-4533	170 lbs	755 N
Endurance			
UV Resistance	ASTM D-4355	N/A	N/A
Hydraulic			
Apparent Opening Size (AOS) ³	ASTM D-4751	30 US Std. Sieve	0.600 mm
Permittivity	ASTM D-4491	0.03 sec ⁻¹	0.03 sec ⁻¹
Water Flow Rate	ASTM D-4491	2 gpm/ft ²	80 l/min/m ²
Roll Sizes		7.5 ft x 300 ft	2.29 m x 91.5 m

NOTES:

- The property values listed above are effective 08/2006 and are subject to change without notice.
- Values reported in machine (warp) 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.
- Maximum average roll value.



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