



GEOTEX[®] 6x1 is a structural soil reinforcement geotextile containing high tenacity polyester multifilament (warp) and polypropylene silt 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 6x1** ideal for the construction of steepened slopes and modular block and/or wrapped-face retaining walls. The geotextile is resistant to ultraviolet degradation and to biological and chemical environments normally found in soils.

GEOTEX 6x1 conforms to the property values listed below¹. Propex performs internal Manufacturing Quality Control (MQC) tests that have been accredited by the Geosynthetic Accreditation Institute – Laboratory Accreditation Program (GAI-LAP). This product is NTPEP approved.

MARV ²			
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	650 lbs	2892 N
Wide Width Tensile	ASTM D-4595	7200 lbs/ft	105.1 kN/m
Wide Width Elongation	ASTM D-4595	9%	9%
Wide Width Tensile Strength at 5% Strain	ASTM D-4595	3000 lbs/ft	43.8 kN/m
Long-term Design Strength (LTDS)	GRI-GT7	3415 lbs/ft	49.8 kN/m
Trapezoidal Tear	ASTM D-4533	250 lbs	1112 N
ENDURANCE			
UV Resistance % Retained at 500 hrs	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	81 l/min/m ²
ROLL SIZES		7.5 ft x 300 ft	2.29 m x 91.5 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.

