

GEOTEX[®] 1291

GEOTEX 1291 is a polypropylene, staple fiber, needlepunched nonwoven geotextile manufactured at one of SI Geosolutions' facilities that has achieved ISO-9002 certification for its systematic approach to quality. The fibers are needed to form a stable network that retains dimensional stability relative to each other. The geotextile is resistant to ultraviolet degradation and to biological and chemical environments normally found in soils. **GEOTEX 1291** 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
Mechanical			
Grab Tensile Strength	ASTM D4632	320 lbs	1420 N
Grab Elongation	ASTM D4632	50%	50%
Puncture Strength	ASTM D4833	210 lbs	930 N
Mullen Burst	ASTM D3786	620 psi	4270 kPa
Trapezoidal Tear	ASTM D4533	125 lbs	555 N
Wide Width Tensile	ASTM D4595	125 lb-in	21.8 Kn/m
Endurance			
UV Resistance	ASTM D4355	70%	70%
Hydraulic			
Apparent Opening Size (AOS)	ASTM D4751	100 US Std. Sieve	0.150 mm
Permittivity	ASTM D4491	0.80 sec ⁻¹	0.80 sec ⁻¹
Permeability	ASTM D4491	0.29 cm/sec	0.29 cm/sec
Water Flow Rate	ASTM D4491	60 gpm/ft ²	2440 l/min/m ²
Roll Sizes		180 in x 100 yds	4.57 m x 91.5 m

NOTES:

¹ The property values listed below are effective 9/6/00 are subject to change without notice.

² Values shown are in weaker principal direction. Minimum average roll values 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.

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