

## GEOTEX<sup>®</sup> 1001

**GEOTEX 1001** 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 1001** conforms to the property values listed below<sup>1</sup> which have been derived from quality control testing performed by one of SI Geosolutions' GAI-LAP accredited laboratories:

### MARV<sup>2</sup>

PROPERTY	TEST METHOD	ENGLISH	METRIC
<b>Mechanical</b>			
Grab Tensile Strength	ASTM D4632	250 lbs	1110 N
Grab Elongation	ASTM D4632	50%	50%
Puncture Strength	ASTM D4833	150 lbs	665 N
Mullen Burst	ASTM D3786	460 psi	3170 kPa
Trapezoidal Tear	ASTM D4533	100 lbs	445 N
Wide Width Tensile	ASTM D4595	100 lb-in	17.5 Kn/m
<b>Endurance</b>			
UV Resistance	ASTM D4355	70%	70%
<b>Hydraulic</b>			
Apparent Opening Size (AOS)	ASTM D4751	100 US Std. Sieve	0.150 mm
Permittivity	ASTM D4491	1.20 sec <sup>-1</sup>	1.20 sec <sup>-1</sup>
Permeability	ASTM D4491	0.30 cm/sec	0.30 cm/sec
Water Flow Rate	ASTM D4491	85 gpm/ft <sup>2</sup>	3460 l/min/m <sup>2</sup>
<b>Roll Sizes</b>		180 in x 100 yds	4.57 m x 91.5 m

#### NOTES:

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

<sup>2</sup> 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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