

GEOTEX® 861

GEOTEX 861 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 861** 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
<i>Mechanical</i>			
Grab Tensile Strength	ASTM D4632	220 lbs	975 N
Grab Elongation	ASTM D4632	50%	50%
Puncture Strength	ASTM D4833	135 lbs	600 N
Mullen Burst	ASTM D3786	420 psi	2895 kPa
Trapezoidal Tear	ASTM D4533	95 lbs	420 N
Wide Width Tensile	ASTM D4595	75 lb-in	13.1 Kn/m
<i>Endurance</i>			
UV Resistance	ASTM D4355	70%	70%
<i>Hydraulic</i>			
Apparent Opening Size (AOS)	ASTM D4751	80 US Std. Sieve	0.180 mm
Permittivity	ASTM D4491	1.5 sec ⁻¹	1.5 sec ⁻¹
Permeability	ASTM D4491	0.38 cm/sec	0.38 cm/sec
Water Flow Rate	ASTM D4491	110 gpm/ft ²	4480 l/min/m ²
<i>Roll Sizes</i>		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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