

GENERAL

GEOTEX 801 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 801 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
Physical			
Mass/Unit Area	ASTM D5261	6.5 oz/yd ²	220 g/m ²
Thickness	ASTM D5199	70 mils	1.8 mm
Mechanical			
Tensile Strength (Grab)	ASTM D4632	205 lbs	912 N
Elongation	ASTM D4632	50%	50%
Puncture	ASTM D4833	110 lbs	490 N
Mullen Burst	ASTM D3786	350 psi	2413 kPa
Trapezoidal Tear	ASTM D4533	85 lbs	378 N
Wide Width Tensile	ASTM D4595	900 lbs/ft	13.1 kN/m
Endurance			
UV Resistance @ 500 hrs	ASTM D4355	70%	70%
Hydraulic			
Apparent Opening Size (AOS)	ASTM D4751	80 US Std. Sieve	.180 mm
Permittivity	ASTM D4491	1.50 sec ⁻¹	1.50 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
Typical Roll Size		150 in x 100 yds 180 in x 100 yds	.381 m x 91.5 m 4.57 m x 91.5 m

NOTES

- The property values listed below are effective 12/2003 are subject to change without notice.
- 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.
- Maximum average roll value. Statistically, it yields a 97.7% degree of confidence that samples taken from quality assurance testing will be below the value reported.*

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