

GEOTEX® 801

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 needled 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 | | | |
| Grab Tensile Strength | ASTM D4632 | 205 lbs | 912 N |
| Grab Elongation | ASTM D4632 | 50% | 50% |
| Puncture Strength | 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) ³ | ASTM D4751 | 80 US Std. Sieve | 0.180 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 Sizes | | 150 in x 100 yds | 3.81 m x 91.5 m |
| | | 180 in x 100 yds | 4.57 m x 91.5 m |

NOTES:

- ¹ The property values listed below are effective 12/2003 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.
- ³ 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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