

GEOTEX® 351

GEOTEX 351 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 351** 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 | 95 lbs | 420 N |
| Grab Elongation | ASTM D4632 | 50% | 50% |
| Puncture Strength | ASTM D4833 | 55 lbs | 240 N |
| Mullen Burst | ASTM D3786 | 185 psi | 1270 kPa |
| Trapezoidal Tear | ASTM D4533 | 40 lbs | 175 N |
| Wide Width Tensile | ASTM D4595 | 35 lb-in | 6.1 Kn/m |
| Endurance | | | |
| UV Resistance | ASTM D4355 | 70% | 70% |
| Hydraulic | | | |
| Apparent Opening Size (AOS) | ASTM D4751 | 70 US Std. Sieve | 0.212 mm |
| Permittivity | ASTM D4491 | 2.00 sec ⁻¹ | 2.00 sec ⁻¹ |
| Permeability | ASTM D4491 | 0.25 cm/sec | 0.25 cm/sec |
| Water Flow Rate | ASTM D4491 | 110 gpm/ft ² | 4480 l/min/m ² |
| Roll Sizes | | | |
| | | 150 in x 120 yds | 3.81 m x 109.8 m |
| | | 180 in x 120 yds | 4.57 m x 109.8 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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