

GEOTEX 1601

NON-WOVEN GEOTEXTILE

DESCRIPTION

GEOTEX 1601 is a polypropylene, staple fiber, needlepunched nonwoven Geotextile. 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 1601 conforms to the property values listed below which have been derived from quality control testing.

| PHYSICAL PROPERTIES | | |
|--------------------------------------|-------------|---|
| PROPERTY | TEST METHOD | TYPICAL VALUE |
| PHYSICAL | | |
| Mass/Unit Area | ASTM D5261 | 15.0 oz/yd ² (509 g/m ²) |
| Thickness | ASTM D5199 | 145 mils (3.7 mm) |
| MECHANICAL | | |
| Grab Tensile Strength | ASTM D4632 | 380 lbs (1691 N) |
| Grab Elongation | ASTM D4632 | 50% |
| Puncture Strength | ASTM D4833 | 240 lbs (1068 N) |
| Mullen Burst | ASTM D3786 | 750 psi (5170 kPa) |
| Trapezoidal Tear | ASTM D4533 | 150 lbs (668 N) |
| Wide Width Tensile | ASTM D4595 | 1800 lbs/ft (26.3 kN/m) |
| ENDURANCE | | |
| UV Resistance @ 500 hrs | ASTM D4355 | 70% |
| Chemical Resistance pH Value 2 to 13 | | Pass |
| HYDRAULIC | | |
| Apparent Opening Size (AOS) | ASTM D4751 | 100 US Std. Sieve (0.150 mm) |
| Permittivity | ASTM D4491 | 0.70 sec ⁻¹ |
| Permeability | ASTM D4491 | 0.27 cm/sec |
| Water Flow Rate | ASTM D4491 | 50 gpm/ft ² (2037 l/min/m ²) |
| ROLL SIZES | | 15 ft x 300 ft (4.6 m x 91.4 m) |

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