



TerraTex N16E

Nonwoven Geotextile

TerraTex N16E is a nonwoven geotextile made up of polypropylene fibers. These fibers are needed to form a stable and durable network such that the fibers retain their relative position. It is non-biodegradable and resistant to most soil chemicals, acids and alkali with a pH range of 3 to 12. TerraTex N16E is manufactured to meet or exceed the following minimum average roll values:

| <u>Property</u> | <u>Test Method</u> | <u>Minimum Average Roll Value English</u> | <u>Minimum Average Roll Value Metric</u> |
|--------------------|--------------------|---------------------------------------------------|--------------------------------------------------|
| Weight | ASTM D-5261 | 16 oz/yd ² | 542 g/m ² |
| Thickness | ASTM D-5199 | 175 mils | 4.45 mm |
| Tensile Strength | ASTM D-4632 | 425 lb | 1.89 kN |
| Tensile Elongation | ASTM D-4632 | 50% | 50% |
| Trapezoid Tear | ASTM D-4533 | 150 lb | 0.667 kN |
| CBR Puncture | ASTM D-6241 | 1200 lb | 5.34 kN |
| Permittivity | ASTM D-4491 | 0.57 sec ⁻¹ | 0.57 sec ⁻¹ |
| Permeability | ASTM D-4491 | .25 cm/sec | .25 cm/sec |
| Water Flow Rate | ASTM D-4491 | 45 gal/min/ft ² | 1833 l/min/m ² |
| AOS | ASTM D-4751 | 100 US Sieve | 0.15 mm |
| UV Resistance | ASTM D-4355 | 70% @ 500 hr | 70% @ 500 hr |

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