



Mirafi® E800

Mirafi® E800 is a needlepunched nonwoven geotextile composed of polypropylene fibers, which are formed into a stable network such that the fibers retain their relative position. Mirafi® E800 is inert to biological degradation and resists naturally encountered chemicals, alkalis, and acids.

TenCate Geosynthetics Americas Laboratories are accredited by Geosynthetic Accreditation Institute – Laboratory Accreditation Program ([GAI-LAP](#)).

| MECHANICAL PROPERTIES | TEST METHOD | UNIT | MINIMUM ROLL VALUE |
|----------------------------------|-------------|---|-----------------------------|
| Weight | ASTM D5261 | oz/yd ² (g/m ²) | 8.0 (271) |
| Grab Tensile Strength | ASTM D4632 | lbs (N) | 230 (1024) |
| Grab Tensile Elongation | ASTM D4632 | % | 50 |
| Trapezoid Tear Strength | ASTM D4533 | lbs (N) | 95 (423) |
| CBR Puncture Strength | ASTM D6241 | lbs (N) | 600 (2670) |
| Apparent Opening Size (AOS) | ASTM D4751 | U.S. Sieve (mm) | 100 (0.15) |
| | | | Maximum Opening Size |
| | | | Minimum Roll Value |
| MECHANICAL PROPERTIES | TEST METHOD | UNIT | MINIMUM ROLL VALUE |
| Permittivity | ASTM D4491 | sec ⁻¹ | 1.2 |
| Permeability | ASTM D4491 | cm/sec | 0.2 |
| Flow Rate | ASTM D4491 | gal/min/ft ² (l/min/m ²) | 85 (3463) |
| UV Resistance (at 500 hours) | ASTM D4355 | % strength retained | 80 |
| | | | Minimum Test Value |
| PHYSICAL PROPERTIES | | UNIT | TYPICAL ROLL VALUE |
| Roll Dimensions (width x length) | | ft (m) | 15 x 300 (4.5 x 91) |
| Roll Area | | yd ² (m ²) | 500 (418) |
| Roll Weight | | lb (kg) | 266 (121) |

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