



Mirafi® 1100N

Mirafi® 1100N 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® 1100N 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 Average Roll Value | |
|----------------------------------|-----------------------------------|---|----------------------------|------------|
| | | | MD | CD |
| Grab Tensile Strength | ASTM D4632 | lbs (N) | 250 (1113) | 250 (1113) |
| Grab Tensile Elongation | ASTM D4632 | % | 50 | 50 |
| Trapezoid Tear Strength | ASTM D4533 | lbs (N) | 100 (445) | 100 (445) |
| CBR Puncture Strength | ASTM D6241 | lbs (N) | 700 (3115) | |
| | | | Maximum Opening Size | |
| Apparent Opening Size (AOS) | ASTM D4751 | U.S. Sieve (mm) | 100 (0.15) | |
| | | | Minimum Roll Value | |
| Permittivity | ASTM D4491 | sec ⁻¹ | 0.8 | |
| Flow Rate | ASTM D4491 | gal/min/ft ² (l/min/m ²) | 75 (3056) | |
| | | | Minimum Test Value | |
| UV Resistance (at 500 hours) | ASTM D4355 | % strength retained | 70 | |
| | | | Minimum Test Value | |
| Physical Properties | Unit | Roll Size | | |
| Roll Dimensions (width x length) | ft (m) | 15 x 300 (4.57 x 91.4) | | |
| Roll Area | yd ² (m ²) | 500 (418) | | |

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