

Mirafi[®] 140NL

Mirafi[®] 140NL is a needlepunched nonwoven geotextile composed of polypropylene fibers, which are formed into a network such that the fibers retain their relative position. Mirafi[®] 140NL is inert to biological degradation and resists naturally encountered chemicals, alkalis, and acids.

| Mechanical Properties | Test Method | Unit | Minimum Average Roll Value | |
|--|-------------|--|----------------------------|----------|
| | | | MD | CD |
| Grab Tensile Strength | ASTM D4632 | N (lbs) | 401 (90) | 401(90) |
| Grab Tensile Elongation | ASTM D4632 | % | 50 | 50 |
| Trapezoid Tear Strength | ASTM D4533 | N (lbs) | 178 (40) | 178 (40) |
| CBR Puncture Strength | ASTM D6241 | N (lbs) | 1113 (250) | |
| Apparent Opening Size (AOS) ¹ | ASTM D4751 | mm (U.S. Sieve) | 0.25 (60) | |
| Permittivity | ASTM D4491 | sec ⁻¹ | 2.0 | |
| Flow Rate | ASTM D4491 | l/min/m ² (gal/min/ft ²) | 5907 (145) | |
| UV Resistance (at 500 hours) | ASTM D4355 | % strength retained | 70 | |

¹ ASTM D 4751: AOS is a Maximum Opening Diameter Value

| Physical Properties | Test Method | Unit | Typical Value | |
|-------------------------------------|-------------|--|---------------------------|-------------------------|
| Weight | ASTM D5261 | g/m ² (oz/yd ²) | 136 (4.0) | |
| Thickness | ASTM D5199 | mm (mils) | 0.9 (35) | |
| Roll Dimensions (width x length) | -- | m (ft) | 3.8 x 110 (12.5 x 360) | 4.5 x 110 (15 x 360) |
| Roll Area | -- | m ² (yd ²) | 418 (500) | 502 (600) |
| Estimated Roll Weight | -- | kg (lb) | 60 (133) | 70 (160) |

Disclaimer: TenCate assumes no liability for the accuracy or completeness of this information or for the ultimate use by the purchaser. TenCate disclaims any and all express, implied, or statutory standards, warranties or guarantees, including without limitation any implied warranty as to merchantability or fitness for a particular purpose or arising from a course of dealing or usage of trade as to any equipment, materials, or information furnished herewith. This document should not be construed as engineering advice.

© 2011 TenCate Geosynthetics North America
 Mirafi[®] is a registered trademark of Nicolon Corporation