TENCATE Mirafi®



# Mirafi® 160N

Mirafi® 160N 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® 160N geotextile is inert to biological degradation and resists naturally encountered chemicals, alkalis, and acids. Mirafi® 160N meets Aashto M288-06 Class 2.

| Mechanical Properties | Test Method | Unit | Minimum Average Roll Value | |
|---|---|---|---|---|
| | | | MD | CD |
| Grab Tensile Strength | ASTM D4632 | lbs (N) | 160 (712) | 160 (712) |
| Grab Tensile Elongation | ASTM D4632 | % | 50 | 50 |
| Trapezoid Tear Strength | ASTM D4533 | lbs (N) | 60 (267) | 60 (267) |
| CBR Puncture Strength | ASTM D6241 | lbs (N) | 410 (1825) | |
| Apparent Opening Size (AOS)[1] | ASTM D4751 | U.S. Sieve (mm) | 70 (0.212) | |
| Permittivity | ASTM D4491 | $sec^{-1}$ | 1.5 | |
| Flow Rate | ASTM D4491 | $gal/min/ft^2$ ($l/min/m^2$) | 110 (4481) | |
| UV Resistance (at 500 hours) | ASTM D4355 | % strength retained | 70 | |

[1] ASTM D4751: AOS is a Maximum Opening Diameter Value

| Physical Properties | Unit | Typical Value |
|---|---|---|
| Roll Dimensions (width x length) | ft (m) | 15 x 300 (4.5 x 91) |
| Roll Area | $yd^2$ ($m^2$) | 500 (418) |
| Estimated Roll Weight | lb (kg) | 215 (97) |

Mirafi® 160N meets AASHTO M288 Class 2 and is NTPEP approved. TenCate Geosynthetics Americas is accredited by a2La (The American Association for Laboratory Accreditation) and Geosynthetic Accreditation Institute – Laboratory Accreditation Program (GAI-LAP).

NTPEP Number: GTX-2012-01-003

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TENCATE™ materials that make a difference

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