



## Mirafi® 1100NPA

Mirafi® 1100NPA 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® 1100NPA is inert to biological degradation and resists naturally encountered chemicals, alkalis, and acids.

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

| MECHANICAL PROPERTIES            | TEST METHOD | UNIT  | MINIMUM AVERAGE ROLL VALUE |            |
|----------------------------------|-------------|---|----------------------------|------------|
|                                  |             |   | MD                         | CD         |
| Grab Tensile Strength            | ASTM D4632  | lbs (N)   | 270 (1202)                 | 270 (1202) |
| Grab Tensile Elongation          | ASTM D4632  | %   | 50                         | 50         |
| Trapezoid Tear Strength          | ASTM D4533  | lbs (N)   | 100 (445)                  | 100 (445)  |
| Puncture Strength                | ASTM D4833  | lbs (N)   | 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)                 |            |
| MECHANICAL PROPERTIES            | TEST METHOD | UNIT  | MINIMUM ROLL VALUE         |            |
| Permittivity                     | ASTM D4491  | sec <sup>-1</sup>                               | 0.8                        |            |
| Flow Rate                        | ASTM D4491  | gal/min/ft <sup>2</sup> (l/min/m <sup>2</sup> ) | 75 (3056)                  |            |
|                                  |             |   | MINIMUM TEST VALUE         |            |
| UV Resistance (at 500 hours)     | ASTM D4355  | % strength retained                             | 70                         |            |
| PHYSICAL PROPERTIES              |             | UNIT  | ROLL SIZE                  |            |
| Roll Dimensions (width x length) |             | ft (m)  | 15 x 300 (4.5 x 91)        |            |
| Roll Area                        |             | yd <sup>2</sup> (m <sup>2</sup> )               | 500 (418)                  |            |
| Roll Weight                      |             | lbs (kg)  | 326 (148)                  |            |
| Label Color                      |             |   | WHITE                      |            |

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. Mirafi® is a registered trademark of Nicolon Corporation. Copyright © 2021 Nicolon Corporation. All Rights Reserved

FGS000362  
ETQR 35