

# Mirafi<sup>®</sup> S600



Mirafi<sup>®</sup> S600 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<sup>®</sup> S600 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  |
|------------------------------|-------------|---|-----------------------------|
| Weight                       | ASTM D5261  | oz/yd <sup>2</sup> (g/m <sup>2</sup> )          | 6.0 (203)                   |
| Thickness                    | ASTM D5199  | mils (mm)                                       | 80 (2.0)                    |
| Grab Tensile Strength        | ASTM D4632  | lbs (N)   | 170 (757)                   |
| Grab Tensile Elongation      | ASTM D4632  | %   | 50                          |
| Trapezoid Tear Strength      | ASTM D4533  | lbs (N)   | 70 (312)                    |
| CBR Puncture Strength        | ASTM D6241  | lbs (N)   | 450 (2003)                  |
|                              |             |   | <b>Maximum Opening Size</b> |
| Apparent Opening Size (AOS)  | ASTM D4751  | U.S. Sieve (mm)                                 | 80 (0.18)                   |
|                              |             |   | <b>Minimum Roll Value</b>   |
| Permittivity                 | ASTM D4491  | sec <sup>-1</sup>                               | 1.5                         |
| Permeability                 | ASTM D4491  | cm/sec  | 0.45                        |
| Flow Rate                    | ASTM D4491  | gal/min/ft <sup>2</sup> (l/min/m <sup>2</sup> ) | 110 (4481)                  |
|                              |             |   | <b>Minimum Test Value</b>   |
| UV Resistance (at 500 hours) | ASTM D4355  | % strength retained                             | 80                          |

| 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)           |

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