



# MIRAFI S600

MIRAFI® 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 S600 is inert to biological degradation and resists naturally encountered chemicals, alkalis, and acids.

TenCate Geosynthetics Americas (A Solmax Company) is accredited by Geosynthetic Accreditation Institute – Laboratory Accreditation Program ([GAI-LAP](#)).

MIRAFI S600 meets Build America, Buy America Act, Pub. L. No. 117-58, div. G §§ 70901-52.

| MECHANICAL PROPERTIES            | TEST METHOD | UNIT                   | MINIMUM AVERAGE ROLL VALUE |           |
|----------------------------------|-------------|------------------------|----------------------------|-----------|
|                                  |             |                        | MD                         | CD        |
| Grab Tensile Strength            | ASTM D4632  | lbs (N)                | 170 (757)                  | 170 (757) |
| Grab Tensile Elongation          | ASTM D4632  | %                      | 50                         | 50        |
| Trapezoid Tear Strength          | ASTM D4533  | lbs (N)                | 70 (312)                   | 70 (312)  |
| CBR Puncture Strength            | ASTM D6241  | lbs (N)                | 450 (2003)                 |           |
| Thickness                        | ASTM D5199  | mils (mm)              | 80 (2.0)                   |           |
|                                  |             |                        |                            |           |
|                                  |             |                        | MINIMUM ROLL VALUE         |           |
| Permittivity                     | ASTM D4491  | sec-1                  | 1.5                        |           |
| Permeability                     | ASTM D4491  | cm/sec                 | 0.40                       |           |
| Flow Rate                        | ASTM D4491  | gal/min/ft2 (l/min/m2) | 110 (4481)                 |           |
|                                  |             |                        |                            |           |
|                                  |             |                        | MAXIMUM OPENING SIZE       |           |
| Apparent Opening Size (AOS)      | ASTM D4751  | U.S. Sieve (mm)        | 80 (0.18)                  |           |
|                                  |             |                        |                            |           |
|                                  |             |                        | MINIMUM TEST VALUE         |           |
| UV Resistance (@ 500 hrs)        | ASTM D4355  | % strength retained    | 80                         |           |
|                                  |             |                        |                            |           |
| PHYSICAL PROPERTIES              |             | UNIT                   | MINIMUM AVERAGE ROLL VALUE |           |
| Weight                           | ASTM D5261  | oz/yd2 (g/m2)          | 6.0 (203)                  |           |
|                                  |             |                        |                            |           |
|                                  |             |                        | ROLL SIZE                  |           |
| Roll Dimensions (width x length) |             | Ft (m)                 | 15 x 300 (4.5 x 91)        |           |
| Roll Area                        |             | yd² (m²)               | 500 (418)                  |           |
| Roll Weight                      |             | lb (kg)                | 203 (92)                   |           |



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