

# Mirafi® HP770



Mirafi® HP770 geotextile is composed of high-tenacity polypropylene yarns, which are woven into a network such that the yarns retain their relative position. Mirafi® HP770 geotextile is inert to biological degradation and resistant to naturally encountered chemicals, alkalis, and acids.

TenCate Geosynthetics Americas is accredited by Geosynthetic Accreditation Institute – Laboratory Accreditation Program (GAI-LAP).

| Mechanical Properties            | Test Method | Unit  | Minimum Average Roll Value  |             |
|----------------------------------|-------------|---|-----------------------------|-------------|
|                                  |             |   | MD                          | CD          |
| Tensile Strength (at ultimate)   | ASTM D4595  | lbs/ft (kN/m)                                   | 7200 (105.1)                | 5760 (84.0) |
| Tensile Strength (at 2% strain)  | ASTM D4595  | lbs/ft (kN/m)                                   | 1370 (20.0)                 | 1560 (22.8) |
| Tensile Strength (at 5% strain)  | ASTM D4595  | lbs/ft (kN/m)                                   | 3600 (52.5)                 | 3600 (52.5) |
| Tensile Strength (at 10% strain) | ASTM D4595  | lbs/ft (kN/m)                                   | 6600 (96.3)                 | 5760 (84.0) |
|                                  |             |   | <b>Minimum Roll Value</b>   |             |
| Flow Rate                        | ASTM D4491  | gal/min/ft <sup>2</sup> (l/min/m <sup>2</sup> ) | 15 (611)                    |             |
| Permittivity                     | ASTM D4491  | sec <sup>-1</sup>                               | 0.23                        |             |
|                                  |             |   | <b>Maximum Opening Size</b> |             |
| Apparent Opening Size (AOS)      | ASTM D4751  | U.S. Sieve (mm)                                 | 20 (0.85)                   |             |
|                                  |             |   | <b>Minimum Test Value</b>   |             |
| Factory Sewn Seam                | ASTM D4884  | lbs/ft (kN/m)                                   | 3000 (43.8)                 |             |
| UV Resistance (at 500 hours)     | ASTM D4355  | % strength retained                             | 80                          |             |

| Physical Properties             | Unit                              | Roll Size / Weight  |
|---------------------------------|-----------------------------------|---------------------|
| Roll Dimensions (width x width) | 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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