



Mirafi® FW500

Mirafi® FW500 geotextile is composed of high-tenacity monofilament and fibrillated polypropylene yarns, which are woven into a stable network such that the yarns retain their relative position. Mirafi® FW500 geotextile 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](#)). [NTPEP Listed](#)

| Mechanical Properties | Test Method | Unit | Minimum Average Roll Value | |
|------------------------------|-------------|---|-----------------------------|------------|
| | | | MD | CD |
| Grab Tensile Strength | ASTM D4632 | lbs (N) | 375 (1669) | 375 (1669) |
| Grab Tensile Elongation | ASTM D4632 | % | 15 | 8 |
| Trapezoid Tear Strength | ASTM D4533 | lbs (N) | 120 (534) | 120 (534) |
| CBR Puncture Strength | ASTM D6241 | lbs (N) | 1200 (5340) | |
| | | | Minimum Roll Value | |
| Percent Open Area | COE-02215 | % | 3 | |
| Permittivity | ASTM D4491 | sec ⁻¹ | 0.2 | |
| Flow Rate | ASTM D4491 | gal/min/ft ² (l/min/m ²) | 15 (611) | |
| | | | Maximum Opening Size | |
| Apparent Opening Size (AOS) | ASTM D4751 | U.S. Sieve (mm) | 50 (0.30) | |
| | | | 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 (4.57 x 91.4) |
| Roll Area | yd ² (m ²) | 500 (418) |

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