



MIRAFI 500X

MIRAFI® 500X is a woven geotextile composed of polypropylene fibers, which are woven into a stable network such that the fibers retain their relative position. MIRAFI 500X is inert to biological degradation and resists naturally encountered chemicals, alkalis, and acids. MIRAFI 500X meets AASHTO M288 Strength Class 3 for Elongation < 50%.

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

| MECHANICAL PROPERTIES | TEST METHOD | UNIT | MINIMUM AVERAGE ROLL VALUE | |
|----------------------------------|-------------|---|----------------------------|-----------|
| | | | MD | CD |
| Grab Tensile Strength | ASTM D4632 | lbs (N) | 200 (890) | 200 (890) |
| Grab Tensile Elongation | ASTM D4632 | % | 15 | 15 |
| Trapezoid Tear Strength | ASTM D4533 | lbs (N) | 75 (334) | 75 (334) |
| CBR Puncture Strength | ASTM D6241 | lbs (N) | 700 (3115) | |
| | | | MAXIMUM OPENING SIZE | |
| Apparent Opening Size (AOS) | ASTM D4751 | U.S. Sieve (mm) | 40 (0.425) | |
| | | | MINIMUM ROLL VALUE | |
| Permittivity | ASTM D4491 | sec ⁻¹ | 0.05 | |
| Flow Rate | ASTM D4491 | gal/min/ft ² (l/min/m ²) | 4 (163) | |
| | | | 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) | 12.5 432 (3.8 x 132) | |
| | | | 15 x 360 (4.5 x 110) | |
| | | | 17.5 x 309 (5.3 x 94.2) | |
| Roll Area | | yd ² (m ²) | 600 (502) | |
| Roll Weight | | lbs (kg) | 177 (80) | |

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