



■ FX[®]-200MF

Carthage Mills' FX-200MF is a woven High-Performance geotextile produced from high-tenacity polypropylene yarns. FX-200MF is part of the Carthage [FX[®] High-Performance Series](#) of woven geotextiles, is inert to biological degradation, and resistant to naturally encountered chemicals, alkalis and acids.

AASHTO M 288: FX-200MF meets the geotextile requirements of Classes 2 and 3, <50% elongation (Percent 'in-situ' soil passing 0.075 mm: <15%) for Subsurface Drainage; and Classes 1 and 2, <50% elongation (Percent 'in-situ' soil passing 0.075 mm: <15%) for Permanent Erosion Control.

| PROPERTY | TEST METHOD | DATA | |
|---------------------------------------------------------------|--------------------|-------------------------------------------------|----------------------------------------------------|
| | | METRIC | ENGLISH |
| <input type="checkbox"/> Mechanical/Performance/Design | ASTM D 4595 | | |
| Wide Width Tensile Ultimate | | 39.4 kN/m | 2700 lbs/ft |
| Wide Width Tensile @ 2% Strain | | 7.3 x 11.7 kN/m | 500 x 800 lbs/ft |
| Wide Width Tensile @ 5% Strain | | 16 x 24.80 kN/m | 1100 x 1700 lbs/ft |
| Wide Width Tensile @ 10% Strain | | 29.20 x 40.9 kN/m | 2000 x 2800 lbs/ft |
| <input type="checkbox"/> Mechanical/Index | ASTM D 4632 | | |
| Grab Tensile Strength | | 1.424 kN | 320 lbs |
| Grab Tensile Elongation | | 15% | |
| Trapezoidal Tear | ASTM D 4533 | 0.56 kN | 125 lbs |
| CBR Puncture | ASTM D 6241 | 0.623 kN | 1400 lbs |
| <input type="checkbox"/> Endurance | ASTM D 4355 | | |
| UV Resistance | | 90% @ 500 hrs | |
| <input type="checkbox"/> Hydraulics/Filtration | ASTM D 4491 | | |
| Permittivity ⁽¹⁾ | | 0.70 sec ⁻¹ | |
| Water Flow Rate ⁽¹⁾ | | 2037.3 lpm/m ² | 50 gpm/ft ² |
| Apparent Opening Size (AOS) ⁽¹⁾ | ASTM D 4751 | 0.425 mm | 40 US Std. Sieve |
| <input type="checkbox"/> Physical | | | |
| Standard Roll Sizes / Packaging / Weight | Measured (Typical) | 4.57 m x 91.4 m 418 m ² 125 kg | 15.0 ft x 300 ft 500 yd ² 275 lbs |

NOTES: Mullen Burst Strength ASTM D 3786 is no longer recognized by ASTM D35 on Geosynthetics. Puncture Strength ASTM D 4833 is not recognized by AASHTO M 288 and has been replaced with CBR Puncture ASTM D 6241.

- ⁽¹⁾ At the time of manufacturing. Handling, storage and shipping may change these properties.
- Unless otherwise stated, all values stated here are Minimum Average Roll Values (MARV).
 - The properties reported above are effective 12-01-2021 and are subject to change without notice.

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