



■ FX[®]-220MF

Carthage Mills' FX-220MF is a woven High-Performance geotextile produced from high-tenacity polypropylene yarns. FX-220MF 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.

| PROPERTY | TEST METHOD | DATA | |
|---------------------------------------------------------------|--------------------|------------------------------------------------|--------------------------------------------------|
| | | METRIC | ENGLISH |
| <input type="checkbox"/> Mechanical/Performance/Design | ASTM D 4595 | | |
| Wide Width Tensile Ultimate | | 39 x 36 kN/m | 2640 x 2460 lbs/ft |
| Wide Width Tensile @ 5% Strain | | 18.6 x 21.0 kN/m | 1272 x 1440 lbs/ft |
| <input type="checkbox"/> Mechanical/Index | ASTM D 4632 | | |
| Grab Tensile Strength | | 1.312 x 1.157 kN | 295 x 260 lbs |
| Grab Tensile Elongation | | 13% x 12% | |
| Trapezoidal Tear | ASTM D 4533 | 0.490 x 0.579 kN | 110 lbs x 130 lbs |
| CBR Puncture | ASTM D 6241 | 4.450 kN | 1000 lbs |
| <input type="checkbox"/> Endurance | | | |
| UV Resistance | ASTM D 4355 | 80% @ 500 hrs | |
| <input type="checkbox"/> Hydraulics/Filtration | | | |
| Permittivity ⁽¹⁾ | ASTM D 4491 | 0.60 sec ⁻¹ | |
| Water Flow Rate ⁽¹⁾ | | 1630 lpm/m ² | 40 gpm/ft ² |
| Apparent Opening Size (AOS) ^(1,2) | ASTM D 4751 | 0.600 mm | 30 US Std. Sieve |
| <input type="checkbox"/> Physical | | | |
| Standard Roll Sizes / Packaging / Weight | Measured (Typical) | 4.5 m x 91.4 m 418 m ² 127 kg | 15 ft x 300 ft 500 yd ² 279 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.

(2) Maximum Average Roll Value

- Unless otherwise stated, all values stated here are Minimum Average Roll Values (MARV).
- The properties reported above are effective 01-01-2023 and are subject to change without notice.

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