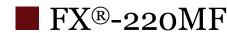


Geotextiles | Erosion Control | Geogrids | Geomembranes



Carthage Mills' FX-220MF is a woven High-Performance geotextile produced from high-tenacity polypropylene yarns. FX-220MF is part of the Carthage <u>FX® High-Performance Series</u> of woven geotextiles, is inert to biological degradation, and resistant to naturally encountered chemicals, alkalis and acids.

| PROPERTY | TEST METHOD | DATA | |
|--|-----------------------|------------------------------------|--|
| | | METRIC | ENGLISH |
| ☐ Mechanical/Performance/Design | | | |
| Wide Width Tensile Ultimate | ASTM D 4595 | 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 |
| ☐ Mechanical/Index Grab Tensile Strength | ASTM D 4632 | 1.312 x 1.157 kN | 295 x 260 lbs |
| Grab Tensile Elongation | ASTM D 4632 | 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 |
| □ Endurance UV Resistance | ASTM D 4355 | 80% @ 500 hrs | |
| ☐ Hydraulics/Filtration Permittivity ⁽¹⁾ | ACTM D 4401 | 0.60 sec ⁻¹ | |
| Water Flow Rate ⁽¹⁾ | ASTM D 4491 | 1630 lpm/m ² | 40 gpm/ft² |
| Apparent Opening Size (AOS) ^(1,2) | ASTM D 4751 | 0.600 mm | 30 US Std. Sieve |
| □ Physical | | | |
| Standard Roll Sizes / Packaging / Weight | Measured (Typical) | 4.5 m x 91.4 m 418 m² 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 01-01-2024 and are subject to change without notice.

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