



## ■ FX<sup>®</sup>-400/600MF

Carthage Mills' FX-400/600MF is a woven High-Performance geotextile produced from high-tenacity polypropylene yarns. FX-400/600MF is part of the Carthage [FX<sup>®</sup> 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"/> <b>Mechanical/Performance/Design</b> | ASTM D 4595        |  |  |
| Wide Width Tensile Ultimate                                   |                    | 70.5 x 105.1 kN/m                            | 4800 x 7200 lbs/ft                                 |
| Wide Width Elongation   |                    | 14% x 9%                                     |  |
| Wide Width Tensile @ 5% Strain                                |                    | 17.5 x 38.5 kN/m                             | 1200 x 2640 lbs/ft                                 |
| <input type="checkbox"/> <b>Mechanical/Index</b>              | ASTM D 4632        |  |  |
| Grab Tensile Strength   |                    | 2.67 x 3.11 kN                               | 600 x 700 lbs                                      |
| Grab Tensile Elongation                                       |                    | 15%  |  |
| Trapezoidal Tear  | ASTM D 4533        | .080 x 1.22 kN                               | 180 x 275 lbs                                      |
| CBR Puncture  | ASTM D 6241        | 10.67 kN                                     | 2400 lbs   |
| <input type="checkbox"/> <b>Endurance</b>                     |                    |  |  |
| UV Resistance   | ASTM D 4355        | 80% @ 500 hrs                                |  |
| <input type="checkbox"/> <b>Hydraulics/Filtration</b>         | ASTM D 4491        |  |  |
| Permittivity <sup>(1)</sup>                                   |                    | 0.26 sec <sup>-1</sup>                       |  |
| Water Flow Rate <sup>(1)</sup>                                |                    | 815 lpm/m <sup>2</sup>                       | 20 gpm/ft <sup>2</sup>                             |
| Apparent Opening Size (AOS) <sup>(1)</sup>                    | ASTM D 4751        | 0.425 mm                                     | 40 US Std. Sieve                                   |
| <input type="checkbox"/> <b>Physical</b>                      |                    |  |  |
| Standard Roll Sizes / Packaging / Weight                      | Measured (Typical) | 4.6 m x 31.5<br>418 m <sup>2</sup><br>236 kg | 15.0 ft x 300 ft<br>500 yd <sup>2</sup><br>520 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 288-15 and has been replaced with CBR Puncture ASTM D 6241.

- <sup>(1)</sup> 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 01-01-18 and are subject to change without notice.

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