



## ■ FX<sup>®</sup>-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<sup>®</sup> 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"/> <b>Mechanical/Performance/Design</b>	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"/> <b>Mechanical/Index</b>	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"/> <b>Endurance</b>	ASTM D 4355		
UV Resistance		90% @ 500 hrs	
<input type="checkbox"/> <b>Hydraulics/Filtration</b>	ASTM D 4491		
Permittivity <sup>(1)</sup>		0.70 sec <sup>-1</sup>	
Water Flow Rate <sup>(1)</sup>		2037.3 lpm/m <sup>2</sup>	50 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)	4.57 m x 91.4 m 418 m <sup>2</sup> 125 kg	15.0 ft x 300 ft 500 yd <sup>2</sup> 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.

- <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 01-01-19 and are subject to change without notice.

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