



■ 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 288-15: 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	35.0 kN/m	2400 lbs/ft
Wide Width Tensile Ultimate			
Wide Width Elongation		12% x 8%	
Wide Width Tensile @ 2% Strain		3.5 x 3.5 kN/m	240 x 240 lbs/ft
Wide Width Tensile @ 5% Strain		11.4 x 20.5 kN/m	780 x 1404 lbs/ft
Wide Width Tensile @ 10% Strain	26.2 x 36.8 kN/m	1800 x 2520 lbs/ft	
<input type="checkbox"/> Mechanical/Index	ASTM D 4632	1.424 kN	320 lbs
Grab Tensile Strength			
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	90% @ 500 hrs	
UV Resistance			
<input type="checkbox"/> Hydraulics/Filtration	ASTM D 4491	0.70 sec ⁻¹	
Permittivity ⁽¹⁾			
Water Flow Rate ⁽¹⁾	ASTM D 4751	2037.3 lpm/m ²	50 gpm/ft ²
Apparent Opening Size (AOS) ⁽¹⁾		0.425 mm	40 US Std. Sieve
<input type="checkbox"/> Physical	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
Standard Roll Sizes / Packaging / Weight			

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.

- ⁽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 12-01-16 and are subject to change without notice.

Carthage Mills assumes no liability for the accuracy or completeness of this information or for the ultimate use by the purchaser. Carthage Mills disclaims any and all express, implied, or statutory standards, warranties or guarantees, including without limitation any implied warranty as to merchantability or fitness for a particular purpose or arising from a course of dealing or usage of trade as to any equipment, materials, or information furnished herewith. This document should not be construed as engineering advice.