



■ 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⁾	ASTM D 4751	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	
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 01-01-18 and are subject to change without notice.

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