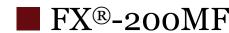


Geotextiles | Erosion Control | Geogrids | Geomembranes



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: 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
☐ Mechanical/Performance/Design			
Wide Width Tensile Ultimate	ASTM D 4595	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
☐ Mechanical/Index		1.424 kN	320 lbs
Grab Tensile Strength	ASTM D 4632		
Grab Tensile Elongation		15%	
Trapezoidal Tear	ASTM D 4533	0.56 kN	125 lbs
CBR Puncture	ASTM D 6241	0.623 kN	1400 lbs
☐ Endurance UV Resistance	ASTM D 4355	90% @ 500 hrs	
☐ Hydraulics/Filtration Permittivity ⁽¹⁾		0.70 sec ⁻¹	
Water Flow Rate ⁽¹⁾	ASTM D 4491	2037.3 lpm/m ²	50 gpm/ft ²
Apparent Opening Size (AOS) (1)	ASTM D 4751	0.425 mm	40 US Std. Sieve
□ Physical			
Standard Roll Sizes / Packaging / Weight	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

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.
- Unless otherwise stated, all values stated here are Minimum Average Roll Values (MARV).
- The properties reported above are effective 12-01-2021 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.