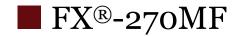


Geotextiles | Erosion Control | Geogrids | Geomembranes



Carthage Mills' FX-270MF is a woven High-Performance geotextile produced from high-tenacity polypropylene yarns. FX-270MF 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.

PROPERTY	TEST METHOD	DATA	
		METRIC	ENGLISH
☐ Mechanical/Performance/Design			
Wide Width Tensile Ultimate	ASTM D 4595	38.5 x 35.9 kN/m	2640 x 2460 lbs/ft
Wide Width Tensile @ 5% Strain		18.6 x 21.0 kN/m	1272 x 1440 lbs/ft
☐ Mechanical/Index			
Grab Tensile Strength	ASTM D 4632	1.313 x 1.157 kN	295 x 260 lbs
Grab Tensile Elongation	ASTM D 4032	13% x 12%	
Trapezoid Tear	ASTM D 4533	0.490 x 0.579 kN	110 x 130 lbs
CBR Puncture	ASTM D 6241	4.450 kN	1000 lbs
☐ Endurance			
UV Resistance	ASTM D 4355	80% @ 500 hrs	
☐ <b>Hydraulics/Filtration</b> Permittivity (1)	ACTM D 4404	0.6 sec <sup>-1</sup>	
Water Flow Rate (1)	ASTM D 4491	1630 lpm/m <sup>2</sup>	40 gpm/ft²
Apparent Opening Size (AOS) (1,3)	ASTM D 4751	0.60 mm	30 US Std. Sieve
□ Physical			
Standard Roll Sizes / Packaging / Weight	Measured (Typical)	4.57 m x 91.5 m 418 m <sup>2</sup> 96.6 kg	15 ft $\times$ 300 ft 500 yd <sup>2</sup> 213 lbs

NOTES: Mullen Burst Strength ASTM D 3786 is no longer recognized by ASTM D35 on Geosynthetics.

- (1) At the time of manufacturing. Handling, storage and shipping may change these properties.
- (2) Based on 3<sup>rd</sup> Party Testing
- (3) Maximum Average Roll Value
- Unless otherwise stated, all values stated here are Minimum Average Roll Values (MARV).
- The properties reported above are effective 01-01-2024 and are subject to change without notice.

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