



■ FX[®]-270MF

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
<input type="checkbox"/> Mechanical/Performance/Design	ASTM D 4595		
Wide Width Tensile Ultimate		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
<input type="checkbox"/> Mechanical/Index	ASTM D 4632		
Grab Tensile Strength		1.313 x 1.157 kN	295 x 260 lbs
Grab Tensile Elongation		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
<input type="checkbox"/> Endurance	ASTM D 4355		
UV Resistance		80% @ 500 hrs	
<input type="checkbox"/> Hydraulics/Filtration			
Permittivity ⁽¹⁾	ASTM D 4491	0.6 sec ⁻¹	
Water Flow Rate ⁽¹⁾		1630 lpm/m ²	40 gpm/ft ²
Apparent Opening Size (AOS) ^(1,3)	ASTM D 4751	0.60 mm	30 US Std. Sieve
<input type="checkbox"/> Physical			
Standard Roll Sizes / Packaging / Weight	Measured (Typical)	4.57 m x 91.5 m 418 m ² 96.6 kg	15 ft x 300 ft 500 yd ² 213 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 3rd 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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