



■ FX[®]-375MF

Carthage Mills' FX-375MF is a woven High-Performance geotextile produced from high-tenacity polypropylene yarns. FX-375MF 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			
Wide Width Tensile Ultimate	ASTM D 4595	52.5 x 48.2 kN/m	3600 x 3300 lbs/ft
Wide Width Tensile @ 5% Strain		22.8 x 22.8 kN/m	1500 x 1560 lbs/ft
<input type="checkbox"/> Mechanical / Index			
Grab Tensile Strength	ASTM D 4632	2.0 x 1.43 kN/m	450 x 350 lbs
Grab Tensile Elongation		12 x 10%	
Trapezoidal Tear	ASTM D 4533	0.67 x 0.71 kN	150 x 160 lbs
CBR Puncture	ASTM D 6241	5.77 kN	1300 lbs
<input type="checkbox"/> Endurance			
UV Resistance	ASTM D 4355	80% @ 500 hrs	
<input type="checkbox"/> Hydraulics/Filtration			
Permittivity ⁽¹⁾	ASTM D 4491	0.80 sec ⁻¹	
Water Flow Rate ⁽¹⁾		2361 lpm/m ²	58 gpm/ft ²
Apparent Opening Size (AOS) ^(1,2)	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 ² 145.15 kg	15 ft x 300 ft 500 yd ² 320 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.
- ⁽²⁾ Maximum Average Roll Value
- Unless otherwise stated, all values stated here are Minimum Average Roll Values (MARV).
- The properties reported above are effective 01-01-2023 and are subject to change without notice.

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