



## ■ FX<sup>®</sup>-570MF

Carthage Mills' FX-570MF (formerly FX-400MF) is a woven High-Performance geotextile produced from high-tenacity polypropylene yarns. FX-570MF is part of the Carthage [FX<sup>®</sup> 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"/> <b>Mechanical/Performance/Design</b>	ASTM D 4595		
Wide Width Tensile Ultimate		70.1 kN/m	4800 x 4800 lbs/ft
Wide Width Tensile @ 2% Strain		14 x 21.8 kN/m	960 x 1500 lbs/ft
Wide Width Tensile @ 5% Strain		35.0 x 43.8 kN/m	2400 x 3000 lbs/ft
<input type="checkbox"/> <b>Mechanical/Index</b>	ASTM D 4632		
Grab Tensile Strength		2.225 x 2.225 kN	500 x 500 lbs
Grab Tensile Elongation		11% x 4%	
Trapezoidal Tear	ASTM D 4533	0.801 kN	180 lbs
CBR Puncture	ASTM D 6241	8.900 kN	2000 lbs
<input type="checkbox"/> <b>Endurance</b>	ASTM D 4355		
UV Resistance		80% @ 500 hrs	
<input type="checkbox"/> <b>Hydraulics/Filtration</b>	ASTM D 4491		
Permittivity <sup>(1)</sup>		0.50 sec <sup>-1</sup>	
Water Flow Rate <sup>(1)</sup>		1426.11 lpm/m <sup>2</sup>	35 gpm/ft <sup>2</sup>
Apparent Opening Size (AOS) <sup>(1,2)</sup>	ASTM D 4751	0.600 mm	30 US Std. Sieve
<input type="checkbox"/> <b>Physical</b>			
Standard Roll Sizes / Packaging / Weight	Measured (Typical)	4.57 m x 91.4 m 418 m <sup>2</sup> 176 kg	15.0 ft x 300 ft 500 yd <sup>2</sup> 389 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 01-01-2024 and are subject to change without notice.

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