



## ■ FX<sup>®</sup>-370MF

Carthage Mills' FX-370MF is a woven High-Performance geotextile produced from high-tenacity polypropylene yarns. FX-370MF 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		52.5 x 47.3 kN/m	3600 x 3240 lbs/ft
Wide Width Tensile @ 2% Strain		7.8 kN	540 lbs/ft
Wide Width Tensile @ 5% Strain		21.9 x 22.8 kN/m	1500 x 1560 lbs/ft
<input type="checkbox"/> <b>Mechanical/Index</b>	ASTM D 4632		
Grab Tensile Strength		1.78 x 1.335 kN	400 x 300 lbs
Grab Tensile Elongation		10% x 6%	
Trapezoid Tear	ASTM D 4533	0.601 x 0.556 kN	135 x 125 lbs
CBR Puncture	ASTM D 6241	6.44 kN	1450 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>		0.90 sec <sup>-1</sup>	
Water Flow Rate <sup>(1)</sup>		2444 lpm/m <sup>2</sup>	60 gpm/ft <sup>2</sup>
Apparent Opening Size (AOS) <sup>(1,2)</sup>	ASTM D 4751	0.60 mm	30 US Std. Sieve
<input type="checkbox"/> <b>Physical</b>			
Standard Roll Sizes / Packaging / Weight	Measured (Typical)	4.57 m x 91.5 m 418 m <sup>2</sup> 132 kg	15 ft x 300 ft 500 yd <sup>2</sup> 290 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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