



■ FX[®]-300MF

Carthage Mills' FX-300MF is a woven High-Performance geotextile produced from high-tenacity polypropylene yarns. FX-300MF 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 Wide Width Tensile @ 5% Strain	ASTM D 4595	52.5 x 47.3 kN/m	3600 x 3240 lbs/ft
		21.9 x 22.8 kN/m	1500 x 1560 lbs/ft
<input type="checkbox"/> Mechanical/Index Grab Tensile Strength Grab Tensile Elongation Trapezoidal Tear	ASTM D 4632	1.780 x 1.335 kN	400 X 300 lbs
		10% x 6%	
	ASTM D 4533	0.601 x 0.556 kN	135 x 125 lbs
<input type="checkbox"/> Endurance UV Resistance	ASTM D 4355	80% @ 500 hrs	
<input type="checkbox"/> Hydraulics/Filtration Permittivity ⁽¹⁾ Water Flow Rate ⁽¹⁾ Apparent Opening Size (AOS) ^(1,2)	ASTM D 4491	0.52 sec ⁻¹	
		1629.8 lpm/m ²	40 gpm/ft ²
	ASTM D 4751	0.600 mm	30 US Std. Sieve
<input type="checkbox"/> Physical Standard Roll Sizes / Packaging / Weight	Measured (Typical)	4.57 m x 91.4 m 418 m ² 147.41 kg	15.0 ft x 300 ft 500 yd ² 325 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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