



■ 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
□ Mechanical/Performance/Design Wide Width Tensile Ultimate	ASTM D 4595	52.5 x 47.3 kN/m	3600 x 3240 lbs/ft
Wide Width Tensile @ 5% Strain		21.9 x 22.8 kN/m	1500 x 1560 lbs/ft
□ Mechanical/Index Grab Tensile Strength	ASTM D 4632	1.780 x 1.335 kN	400 X 300 lbs
Grab Tensile Elongation		10% x 6%	
Trapezoidal Tear	ASTM D 4533	0.601 x 0.556 kN	135 x 125 lbs
CBR Puncture	ASTM D 6241	6.453 kN	1450 lbs
□ Endurance UV Resistance	ASTM D 4355	80% @ 500 hrs	
□ Hydraulics/Filtration Permittivity ⁽¹⁾	ASTM D 4491	0.90 sec ⁻¹	
Water Flow Rate ⁽¹⁾		2444 lpm/m ²	60 gpm/ft ²
Apparent Opening Size (AOS) ^(1,2)	ASTM D 4751	0.600 mm	30 US Std. Sieve
□ 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 01-01-2024 and are subject to change without notice.

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