



■ 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	ASTM D 4595		
Wide Width Tensile Ultimate		52.5 x 47.3 kN/m	3600 x 3240 lbs/ft
Wide Width Elongation		15% x 10%	
Wide Width Tensile @ 2% Strain		7.0 x 6.1 kN/m	480 x 420 lbs/ft
Wide Width Tensile @ 5% Strain		20.3 x 22.8 kN/m	1392 x 1560 lbs/ft
<input type="checkbox"/> Mechanical/Index	ASTM D 4632		
Grab Tensile Strength		2.00 x 1.56 kN	450 X 350 lbs
Grab Tensile Elongation		15% x 6%	
Trapezoidal Tear	ASTM D 4533	0.667 x 0.62 kN	150 x 140 lbs
CBR Puncture	ASTM D 6241	5.783 kN	1300 lbs
<input type="checkbox"/> Endurance	ASTM D 4355		
UV Resistance		80% @ 500 hrs	
<input type="checkbox"/> Hydraulics/Filtration	ASTM D 4491		
Permittivity ⁽¹⁾		0.52 sec ⁻¹	
Water Flow Rate ⁽¹⁾		1629.8 lpm/m ²	40 gpm/ft ²
Apparent Opening Size (AOS) ⁽¹⁾	ASTM D 4751	0.600 mm	30 US Std. Sieve
<input type="checkbox"/> Physical	Measured (Typical)		
Standard Roll Sizes / Packaging / Weight		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 288-15 and has been replaced with CBR Puncture ASTM D 6241.

- ⁽¹⁾ At the time of manufacturing. Handling, storage and shipping may change these properties.
- Unless otherwise stated, all values stated here are Minimum Average Roll Values (MARV).
 - The properties reported above are effective 03-01-18 and are subject to change without notice.

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