



■ 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 52.5 kN/m	3600 x 3600 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 25.4 kN/m	1392 x 1740 lbs/ft
Wide Width Tensile @ 10% Strain		46.4 x 50.8 kN/m	3180 x 3480 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	0.80 x 0.62 kN	180 x 140 lbs
CBR Puncture	ASTM D 6241	7.12 kN	1600 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 01-01-17 and are subject to change without notice.

Carthage Mills assumes no liability for the accuracy or completeness of this information or for the ultimate use by the purchaser. Carthage Mills disclaims any and all express, implied, or statutory standards, warranties or guarantees, including without limitation any implied warranty as to merchantability or fitness for a particular purpose or arising from a course of dealing or usage of trade as to any equipment, materials, or information furnished herewith. This document should not be construed as engineering advice.