



■ FX[®]-400/600MF

Carthage Mills' FX-400/600MF is a woven High-Performance geotextile produced from high-tenacity polypropylene yarns. FX-400/600MF 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		70.5 x 105.1 kN/m	4800 x 7200 lbs/ft
Wide Width Elongation		14% x 9%	
Wide Width Tensile @ 5% Strain		17.5 x 38.5 kN/m	1200 x 2640 lbs/ft
<input type="checkbox"/> Mechanical/Index	ASTM D 4632		
Grab Tensile Strength		2.67 x 3.11 kN	600 x 700 lbs
Grab Tensile Elongation		15%	
Trapezoidal Tear	ASTM D 4533	.080 x 1.22 kN	180 x 275 lbs
CBR Puncture	ASTM D 6241	10.67 kN	2400 lbs
<input type="checkbox"/> Endurance			
UV Resistance	ASTM D 4355	80% @ 500 hrs	
<input type="checkbox"/> Hydraulics/Filtration	ASTM D 4491		
Permittivity ⁽¹⁾		0.26 sec ⁻¹	
Water Flow Rate ⁽¹⁾		815 lpm/m ²	20 gpm/ft ²
Apparent Opening Size (AOS) ⁽¹⁾	ASTM D 4751	0.425 mm	40 US Std. Sieve
<input type="checkbox"/> Physical			
Standard Roll Sizes / Packaging / Weight	Measured (Typical)	4.6 m x 31.5 418 m ² 236 kg	15.0 ft x 300 ft 500 yd ² 520 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.

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