



## FX<sup>®</sup>-MF and TF High-Performance Woven Geotextiles

Carthage Mills' FX- MF and TF Series of High-Performance geotextiles are produced from 100% high-tenacity polypropylene yarns. The Carthage [FX<sup>®</sup> High-Performance Series](#) of woven geotextiles, is inert to biological degradation, and resistant to naturally encountered chemicals, alkalis and acids.

Note: The listing below is a sampling of available products in this Series of High-Performance Geotextiles. For more information and/or a complete listing of all the products in this Series, please call or visit our website.

PROPERTY	ASTM TEST	UNIT	FX <sup>®</sup> -200MF	FX <sup>®</sup> -270MF	FX <sup>®</sup> -270TF	FX <sup>®</sup> -300MF	FX <sup>®</sup> -370MF	FX <sup>®</sup> -375MF	FX <sup>®</sup> -570MF <sup>(1)</sup>	FX <sup>®</sup> -400TF	
<b>□ Mechanical/Performance</b>											
Wide Width Tensile Ultimate	D 4595	lbs/ft	2400	2640 x 2460	3179 x 2711	3600	3600 x 3240	3600 x 3300	4800	4800	
Wide Width Elongation @ Ult.		%	12 x 8	NP	11.4 x 7.9	15 x 10	NP	NP	NP	10	
Wide Width Tensile @ 2%		lbs/ft		240 x 240	480 x 588	287 x 871	480 x 420	NP	NP	960 x 1320	NP
Wide Width Tensile @ 5%				780 x 1404	1212 x 1356	1085 x 1812	1392 x 1740	1500 x 1560	1500 x 1560	2400 x 2700	NP
Wide Width Tensile @ 10%				1800 x 2520	NP	2700 x ---	3180 x 3480	NP	NP	4800	NP
<b>□ Mechanical/Index</b>											
Grab Tensile Strength	D 4632	lbs	320	NP	350 x 350	450 x 350	450 x 320	NP	475 x 440	550	
Grab Tensile Elongation		%	15	NP	20 x 15	15 x 6	12 x 10	NP	11 x 4	20	
Trapezoidal Tear	D 4533	lbs	125	NP	120	180 x 140	150 x 160	NP	180	180	
CBR Puncture	D 6241		1400	NP	1000	1600	1300	NP	2000	1700	
<b>□ Endurance</b>											
UV Resistance	D 4355	% @ 500 hrs	90	80	80	80	80	80	80	80	
<b>□ Hydraulics/Filtration</b>											
Permittivity	D 4491	sec <sup>-1</sup>	0.70	0.60	0.15	0.52	0.90	0.52	0.40	0.1	
Water Flow Rate		gpm/ft <sup>2</sup>	50	40	11	40	40	40	30	10	
Apparent Opening Size (AOS)	D 4751	US Std Sieve	40	30	40	30	40	30	30	40	
<b>□ Physical</b>											
Standard Roll Sizes Packaging Weight	Measured (Typical)	ft	15 x 300	15 x 300	15 x 300	15 x 300	15 x 300	15 x 300	15 x 300	15 x 300	
		yd <sup>2</sup>	500	500	500	500	500	500	500	500	
		lbs	275	213	352	325	290	320	389	357	
		ft	-	-	17.1 x 327	-	-	-	-	17.1 x 325	
		yd <sup>2</sup>	-	-	622	-	-	-	-	614	
		lbs	-	-	410	-	-	-	-	448	

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.

<sup>(1)</sup> Formerly FX-400MF

- 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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