



## ■ FX™ Woven High Performance Geotextiles – “MF” Series

Woven Fabrics of 100% Heavy-Duty Polypropylene Yarns

The MF Series of FX™ Woven High Performance geotextiles is manufactured specifically for those projects where cost effective confinement of materials, filtration/hydraulics, high durability, and higher tensile strengths at low strains are essential. These products are capable of handling many of the separation, stabilization and reinforcement applications that exceed the capabilities of your everyday ‘slit film’ fabrics. The MF Series of geotextiles are resistant to UV degradation and biological and chemical environments normally found in soils.

### English Values

PROPERTY	TEST METHOD	UNITS	FX™-200MF	FX™-350MF	FX™-400MF	FX™-400/600MF
<input type="checkbox"/> <b>Mechanical</b>						
Grab Tensile	ASTM D 4632	lbs	315 x 300	550 x 550	600 x 525	600 x 650
Grab Tensile Elongation		%	15%	15 x 6%	20%	20%
Wide Width Tensile: Ultimate	ASTM D 4595	lbs/in	200	350 x 400	400	400 x 600
Wide Width Elongation		lbs/ft	2400	4200 x 4800	4800	4800 x 7200
		%	8%	10%	9%	14 x 9%
Wide Width Tensile: @ 2% Strain	ASTM D 4595	lbs/ft	219 x 708	540 x 1320	541 x 1125	480 x 1200
@ 5% Strain			884 x 1564	1560 x 2400	1929 x 2508	1200 x 2640
@ 10% Strain			2225 x 2365	4200 x 4800	4076 x 4523	2700 x 5400
Mullen Burst	ASTM D 3786	psi	650	> 1200 <sup>1</sup>	> 1200 <sup>1</sup>	> 1200 <sup>1</sup>
Puncture	ASTM D 4833	lbs	150	200	200	260
Trapezoidal Tear	ASTM D 4533		125	150 x 200	225	250 x 300
<input type="checkbox"/> <b>Endurance</b>						
UV Resistance	ASTM D 4355	%	80%	70%	90%	80%
<input type="checkbox"/> <b>Hydraulics / Filtration</b>						
Apparent Opening Size (AOS)	ASTM D 4751	US Std. Sieve	40	40	40	40
Percent Open Area	CW-02215	%	n/a	n/a	n/a	n/a
Permittivity	ASTM D 4491	sec <sup>-1</sup>	0.20	0.025	0.11	0.04
Permeability		cm/sec	0.02	.001	.010	.030
Flow Rate		gpm/ft <sup>2</sup>	30	2	14	20
<input type="checkbox"/> <b>Physical</b>						
Mass Per Unit Area	ASTM D 5261	oz/yd <sup>2</sup>	6.5	13.7	11.4	15.5

<sup>1</sup> The Mullen Burst values exceed the capabilities of the machine.

Unless otherwise noted, all properties reported are Minimum Average Roll Values (MARV), and are calculated as the typical minus two standard deviations. Statistically, it yields a 97.7% degree of confidence that any sample taken during quality assurance testing will exceed the value reported.

The properties reported above are effective 05/10/04 and are subject to change without notice.

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