



## Product Data Sheet

### ■ FX™-350MF

Carthage Mills' FX™-350MF is a woven high performance/high strength geotextile constructed with a combination of two distinctly different heavy-duty 100% polypropylene yarns. The result is an extremely durable fabric with high tensile strengths. This high performance product is ideal for soil stabilization and reinforcement applications including roads and embankments over soft soils.

PROPERTY	TEST METHOD	DATA	
		METRIC	ENGLISH
<input type="checkbox"/> <b>Mechanical</b>			
Grab Tensile	ASTM D 4632	2447.5 x 2447.5 N	550 x 550 lbs
Grab Tensile Elongation		15 x 6%	
Wide Width Tensile: Ultimate	ASTM D 4595	61.3 x 70.0 kN/m	350 x 400 lbs/in 4200 x 4800 lbs/ft
Wide Width Elongation		10%	
Wide Width Tensile: @ 2% Strain		7.9 x 19.3 kN/m	540 x 1320 lbs/ft
@ 5% Strain		22.8 x 35.0 kN/m	1560 x 2400 lbs/ft
@ 10% Strain	61.3 x 70.0 kN/m	4200 x 4800 lbs/ft	
Mullen Burst	ASTM D 3786	8259 kPa	1200 psi
Puncture	ASTM D 4833	890 N	200 lbs
Trapezoidal Tear	ASTM D 4533	668 x 890 N	150 x 200 lbs
<input type="checkbox"/> <b>Endurance</b>			
UV Resistance	ASTM D 4355	70% @ 500 hrs	
<input type="checkbox"/> <b>Hydraulics / Filtration</b>			
Apparent Opening Size (AOS)	ASTM D 4751	0.425 mm	40 US Std. Sieve
Percent Open Area	CW-02215	n/a	
Permittivity	ASTM D 4491	0.025 sec <sup>-1</sup>	
Permeability		.001 cm/sec	
Flow Rate		81 l/min/m <sup>2</sup>	2 gpm/ft <sup>2</sup>
<input type="checkbox"/> <b>Physical / Dimensional</b>			
Mass Per Unit Area	ASTM D 5261	463 g/m <sup>2</sup>	13.7 oz/yd <sup>2</sup>
Standard Roll Sizes / Packaging (Special sizes, packaging and fabrication are available.)	Measured (Typical)	4.57 m x 91.44 m 418 m <sup>2</sup> 435 kg	15.0 ft x 300 ft 500 yd <sup>2</sup> 197 lbs

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 02/01/03 and are subject to change without notice.

Seller makes no warranty, expressed or implied, concerning the product furnished hereunder other than at the time of delivery it shall be of the quality and specification stated herein. Any implied warranty of fitness for a particular purpose is expressly excluded, and, to the extent that it is contrary to the foregoing sentence, any implied warranty of merchantability is expressly excluded. Any recommendations made by seller concerning the uses or applications of said product are believed reliable and seller makes no warranty of results to be obtained. If the product does not meet Carthage Mills current published specifications, and the customer gives notice to Carthage Mills before installing the product, then Carthage Mills will replace the product without charge or refund the purchase price.