



Product Data Sheet

■ FX™-200MF

Carthage Mills' FX™-200MF is a woven high performance/high strength geotextile of 100% polypropylene yarns. This fabric is constructed with a unique twill weave and a combination of two distinctly different heavy-duty yarns, resulting in an extremely durable fabric with high tensile strengths and superior hydraulic properties. This makes this high performance product ideal for separation and soil stabilization applications including haul roads over soft soils.

PROPERTY	TEST METHOD	DATA			
		METRIC	ENGLISH		
<input type="checkbox"/> Mechanical					
Grab Tensile	ASTM D 4632	1402 x 1335 N	315 x 300 lbs		
Grab Tensile Elongation				15%	
Wide Width Tensile: Ultimate	ASTM D 4595	35.0 kN/m	200 lbs/in 2400 lbs/ft		
Wide Width Elongation				8%	
Wide Width Tensile: @ 2% Strain				3.2 x 10.3 kN/m	219 x 708 lbs/ft
@ 5% Strain				12.9 x 22.8 kN/m	884 x 1564 lbs/ft
@ 10% Strain		32.5 x 34.6 kN/m	2225 x 2365 lbs/ft		
Mullen Burst	ASTM D 3786	4481 kPa	650 psi		
Puncture	ASTM D 4833	668 N	150 lbs		
Trapezoidal Tear	ASTM D 4533	556 N	125 lbs		
<input type="checkbox"/> Endurance					
UV Resistance	ASTM D 4355	80% @ 500 hrs			
<input type="checkbox"/> Hydraulics / Filtration					
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	0.20 sec ⁻¹			
Permeability		.02 cm/sec			
Flow Rate		1222 l/min/m ²	30 gpm/ft ²		
<input type="checkbox"/> Physical / Dimensional					
Mass Per Unit Area	ASTM D 5261	220 g/m ²	6.5 oz/yd ²		
Standard Roll Sizes / Packaging (Special sizes, packaging and fabrication are available.)	Measured (Typical)	5.33 m x 94.18 m 476 m ² 108.4 kg 31.2 cm diameter	17.1 ft x 300 ft 569 yd ² 239 lbs 12.3 in. diameter		

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.

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