



## Product Data Sheet

### ■ FX™-50HS

Carthage Mills’ FX™-50HS is a multipurpose nonwoven geotextile of 100% polypropylene staple fibers that have been needlepunched and heatset.

PROPERTY	TEST METHOD	DATA	
		METRIC	ENGLISH
<input type="checkbox"/> <b>Mechanical</b>			
Grab Tensile	ASTM D 4632	668 N	150 lbs
Grab Tensile Elongation		50%	
Wide Width Tensile	ASTM D 4595	8.8 kN/m	50 lbs/in
Mullen Burst	ASTM D 3786	1930 kPa	280 psi
Puncture	ASTM D 4833	375 N	85 lbs
Trapezoidal Tear	ASTM D 4533	267 N	60 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	0.212 mm	70 US Std. Sieve
Percent Open Area	CW-02215	0%	
Permittivity	ASTM D 4491	1.40 sec <sup>-1</sup>	
Permeability		0.23 cm/sec	
Flow Rate		4686 l/min/m <sup>2</sup>	115 gpm/ft <sup>2</sup>
<input type="checkbox"/> <b>Physical / Dimensional</b>			
Mass Per Unit Area (Typical)	ASTM D 5261	169.5 g/m <sup>2</sup>	5.0 oz/yd <sup>2</sup>
Thickness (Typical)	ASTM D 5199	1.40 mm	55 mils
Standard Roll Sizes / Packaging (Special sizes, packaging and fabrication are available.)	Measured (Typical)	3.81 m x 109.7 m 418 m <sup>2</sup> 87.1 kg	12.5 ft x 360 ft 500 yd <sup>2</sup> 192 lbs
		43.2-48.3 cm diam.	17-19 in. diameter
		4.57 m x 109.73 m 501.7 m <sup>2</sup> 99.8 kg	15.0 ft x 360 ft 600 yd <sup>2</sup> 220 lbs
		43.2-48.3 cm diam.	17-19 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.

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.