



## Product Data Sheet

### ■ FX™-35HS

Carthage Mills’ FX™-35HS is a multipurpose nonwoven geotextile of 100% polypropylene staple fibers that have been needlepunched and heatset.

**AASHTO M-288-00:** FX™-35HS exceeds the geotextile requirements *Temporary Silt Fence/Supported*.

PROPERTY	TEST METHOD	DATA	
		METRIC	ENGLISH
<input type="checkbox"/> <b>Mechanical</b>			
Grab Tensile	ASTM D 4632	423 N	95 lbs
Grab Tensile Elongation		50%	
Wide Width Tensile	ASTM D 4595	6.1 kN/m	35 lbs/in
Mullen Burst	ASTM D 3786	1275 kPa	185 psi
Puncture	ASTM D 4833	245 N	55 lbs
Trapezoidal Tear	ASTM D 4533	178 N	40 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	2.00 sec <sup>-1</sup>	
Permeability		0.25 cm/sec	
Flow Rate		6112 l/min/m <sup>2</sup>	150 gpm/ft <sup>2</sup>
<input type="checkbox"/> <b>Physical / Dimensional</b>			
Mass Per Unit Area (Typical)	ASTM D 5261	118.7 g/m <sup>2</sup>	3.5 oz/yd <sup>2</sup>
Thickness (Typical)	ASTM D 5199	1.2 mm	50 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> 59.0 kg	12.5 ft x 360 ft 500 yd <sup>2</sup> 130 lbs
		35.6-39.4 cm diam.	14-15.5 in. diameter
		4.57 m x 109.7 m 501.6 m <sup>2</sup> 67.1 kg	15.0 ft x 360 ft 600 yd <sup>2</sup> 148 lbs
		35.6-39.4 cm diam.	14-15.5 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 09/18/03 and are subject to change without notice.

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