



Product Data Sheet

■ FX™-100HS

Carthage Mills’ FX™-100HS 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"/> Mechanical			
Grab Tensile	ASTM D 4632	1110 N	250 lbs
Grab Tensile Elongation		50%	
Wide Width Tensile	ASTM D 4595	17.5 kN/m	100 lbs/in
Mullen Burst	ASTM D 3786	3170 kPa	460 psi
Puncture	ASTM D 4833	665 N	150 lbs
Trapezoidal Tear	ASTM D 4533	445 N	100 lbs
<input type="checkbox"/> Endurance			
UV Resistance	ASTM D 4355	70% @ 500 hrs	
<input type="checkbox"/> Hydraulics / Filtration			
Apparent Opening Size (AOS)	ASTM D 4751	0.150 mm	100 US Std. Sieve
Percent Open Area	CW-02215	0%	
Permittivity	ASTM D 4491	1.20 sec ⁻¹	
Permeability		0.30 cm/sec	
Flow Rate		3460 l/min/m ²	85 gpm/ft ²
<input type="checkbox"/> Physical / Dimensional			
Mass Per Unit Area (Typical)	ASTM D 5261	339 g/m ²	10.0 oz/yd ²
Thickness (Typical)	ASTM D 5199	2.92 mm	115 mils
Standard Roll Sizes / Packaging (Special sizes, packaging and fabrication are available.)	Measured (Typical)	4.57 m x 91.5 m 418 m ² 139.7 kg 52.1-55.9 cm diam.	15.0 ft x 300 ft 500 yd ² 308 lbs 20.5-22 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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