



Product Data Sheet

■ FX™-60HS

Carthage Mills’ FX™-60HS is a multipurpose nonwoven geotextile of 100% polypropylene staple fibers that have been needlepunched and heatset.

AASHTO M-288-00: FX™-60HS exceeds the geotextile requirements for *Subsurface Drainage/Class 2* (All soil types), *Separation/Class 2* (All soil types), *Stabilization/Class 2*, and *Permanent Erosion Control/Class 2* (With Engineer approval).

PROPERTY	TEST METHOD	DATA	
		METRIC	ENGLISH
<input type="checkbox"/> Mechanical			
Grab Tensile	ASTM D 4632	710 N	160 lbs
Grab Tensile Elongation		50%	
Wide Width Tensile	ASTM D 4595	10.5 kN/m	60 lbs/in
Mullen Burst	ASTM D 3786	1930 kPa	280 psi
Puncture	ASTM D 4833	375 N	85 lbs
Trapezoidal Tear	ASTM D 4533	265 N	60 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	0.212 mm	70 US Std. Sieve
Percent Open Area	CW-02215	0%	
Permittivity	ASTM D 4491	1.30 sec ⁻¹	
Permeability		0.24 cm/sec	
Flow Rate		4480 l/min/m ²	110 gpm/ft ²
<input type="checkbox"/> Physical / Dimensional			
Mass Per Unit Area (Typical)	ASTM D 5261	203.4 g/m ²	6.0 oz/yd ²
Thickness (Typical)	ASTM D 5199	1.78 mm	70 mils
Standard Roll Sizes / Packaging (Special sizes, packaging and fabrication are available.)	Measured (Typical)	3.81 m x 91.44 m 348 m ² 72.6 kg	12.5 ft x 300 ft 416.7 yd ² 160 lbs
		43.2-48.3 cm diam.	17-19 in. diameter
		4.57 m x 91.44 m 418 m ² 91.6 kg	15.0 ft x 300 ft 500 yd ² 202 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.

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