



Product Data Sheet

■ FX™-66

Carthage Mills’ FX™-66 is a woven slit film geotextile of 100% polypropylene yarns. This product features high tensile strengths at low elongations (high modulus) making it ideal for soil separation and stabilization applications.

AASHTO M-288-00: FX™-66 exceeds the geotextile requirements for *Separation/Class 2* and *Stabilization/Classes 1 and 2*.

PROPERTY	TEST METHOD	DATA	
		METRIC	ENGLISH
<input type="checkbox"/> Mechanical			
Grab Tensile	ASTM D 4632	1400 N	315 lbs
Grab Tensile Elongation		15%	
Wide Width Tensile	ASTM D 4595	30.6 x 35.0 kN/m	175 x 200 lbs/in 2100 x 2400 lbs/ft
Wide Width Elongation		10 x 8%	
Mullen Burst	ASTM D 3786	4475 kPa	650 psi
Puncture	ASTM D 4833	555 N	125 lbs
Trapezoidal Tear	ASTM D 4533	530 N	120 lbs
<input type="checkbox"/> Endurance			
UV Resistance	ASTM D 4355	90% @ 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	< 1%	
Permittivity	ASTM D 4491	0.06 sec ⁻¹	
Permeability		.003 cm/sec	
Flow Rate		204 l/min/m ²	5 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)	3.81 m x 109.73 m 418 m ² 111 kg 33.0 cm diameter	12.5 ft x 360 ft 500 yd ² 245 lbs 13 in. diameter
		4.57 m x 91.44 m 418 m ² 115 kg 30.5 cm diameter	15.0 ft x 300 ft 500 yd ² 253 lbs 12 in. diameter
		5.33 m x 78.64 m 418 m ² 115 kg 27.9 cm diameter	17.5 ft x 258 ft 500 yd ² 253 lbs 11 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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