



Product Data Sheet

■ FX™-77

Carthage Mills’ FX™-77 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, stabilization and reinforcement applications.

PROPERTY	TEST METHOD	DATA	
		METRIC	ENGLISH
<input type="checkbox"/> Mechanical			
Grab Tensile	ASTM D 4632	1400 N	490 lbs
Grab Tensile Elongation		20%	
Wide Width Tensile	ASTM D 4595	30.6 x 35.0 kN/m	300 x 350 lbs/in 3600 x 4200 lbs/ft
Wide Width Elongation		15%	
Mullen Burst	ASTM D 3786	4475 kPa	850 psi
Puncture	ASTM D 4833	555 N	225 lbs
Trapezoidal Tear	ASTM D 4533	530 N	175 lbs
<input type="checkbox"/> Endurance			
UV Resistance	ASTM D 4355	90% @ 500 hrs 70% @ 1200 hrs	
<input type="checkbox"/> Hydraulics / Filtration			
Apparent Opening Size (AOS)	ASTM D 4751	0.212 mm	35-50 US Std. Sieve
Percent Open Area	CW-02215	< 1%	
Permittivity	ASTM D 4491	0.09 sec ⁻¹	
Permeability		n/a	
Flow Rate		200 l/min/m ²	7 gpm/ft ²
<input type="checkbox"/> Physical / Dimensional			
Mass Per Unit Area	ASTM D 5261	220 g/m ²	7.8 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 ² 143 kg cm diameter	12.5 ft x 360 ft 500 yd ² 315 lbs 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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