



Product Data Sheet

■ FX™-44

Carthage Mills’ FX™-44 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.

PROPERTY	TEST METHOD	DATA	
		METRIC	ENGLISH
<input type="checkbox"/> Mechanical			
Grab Tensile	ASTM D 4632	600 N	135 lbs
Grab Tensile Elongation		15%	
Wide Width Tensile	ASTM D 4595	12.2 kN/m	70 lbs/in 840 lbs/ft
Wide Width Elongation		10%	
Mullen Burst	ASTM D 3786	1820 kPa	265 psi
Puncture	ASTM D 4833	310 N	70 lbs
Trapezoidal Tear	ASTM D 4533	200 N	45 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	0.425 mm	40 US Std. Sieve
Percent Open Area	CW-02215	< 1%	
Permittivity	ASTM D 4491	0.08 sec ⁻¹	
Permeability		.004 cm/sec	
Flow Rate		240 l/min/m ²	6 gpm/ft ²
<input type="checkbox"/> Physical / Dimensional			
Mass Per Unit Area	ASTM D 5261	105 g/m ²	3.2 oz/yd ²
Standard Roll Sizes / Packaging (Special sizes, packaging and fabrication are available.)	Measured (Typical)	3.81 m x 131.76 m 502 m ² 74 kg 24.1 cm diameter	12.5 ft x 432 ft 600 yd ² 162 lbs 9.5 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 02/01/03 and are subject to change without notice.

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