



## Product Data Sheet

### ■ FX™-33

Carthage Mills’ FX™-33 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"/> <b>Mechanical</b>			
Grab Tensile	ASTM D 4632	555 x 465 N	125 x 105 lbs
Grab Tensile Elongation			
Wide Width Tensile	ASTM D 4595	10.5 x 10.5 kN/m	60 x 60 lbs/in 720 lbs/ft
Wide Width Elongation			
Mullen Burst	ASTM D 3786	1720 kPa	250 psi
Puncture	ASTM D 4833	285 N	65 lbs
Trapezoidal Tear	ASTM D 4533	200 x 175 N	45 x 40 lbs
<input type="checkbox"/> <b>Endurance</b>			
UV Resistance	ASTM D 4355	90% @ 500 hrs	
<input type="checkbox"/> <b>Hydraulics / Filtration</b>			
Apparent Opening Size (AOS)	ASTM D 4751	0.300 mm	50 US Std. Sieve
Percent Open Area	CW-02215	< 1%	
Permittivity	ASTM D 4491	0.01 sec <sup>-1</sup>	
Permeability		.001 cm/sec	
Flow Rate		40 l/min/m <sup>2</sup>	1 gpm/ft <sup>2</sup>
<input type="checkbox"/> <b>Physical / Dimensional</b>			
Mass Per Unit Area	ASTM D 5261	95 g/m <sup>2</sup>	2.9 oz/yd <sup>2</sup>
Standard Roll Sizes / Packaging (Special sizes, packaging and fabrication are available.)	Measured (Typical)	3.81 m x 131.76 m 502 m <sup>2</sup> 90 kg 24.1 cm diameter	12.5 ft x 432 ft 600 yd <sup>2</sup> 144 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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