



Product Data Sheet

■ FX™-55

Carthage Mills' FX™-55 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™-55 exceeds the geotextile requirements for *Separation/Class 3* and *Stabilization/Class 3*.

PROPERTY	TEST METHOD	DATA	
		METRIC	ENGLISH
<input type="checkbox"/> Mechanical			
Grab Tensile	ASTM D 4632	890 N	200 lbs
Grab Tensile Elongation		15%	
Wide Width Tensile	ASTM D 4595	21.0 kN/m	120 lbs/in 1440 lbs/ft
Wide Width Elongation		9 x 7%	
Mullen Burst	ASTM D 3786	3100 kPa	450 psi
Puncture	ASTM D 4833	445 N	100 lbs
Trapezoidal Tear	ASTM D 4533	330 N	75 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	0.07 sec ⁻¹	
Permeability		.004 cm/sec	
Flow Rate		244 l/min/m ²	6 gpm/ft ²
<input type="checkbox"/> Physical / Dimensional			
Mass Per Unit Area	ASTM D 5261	153 g/m ²	4.5 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 90 kg 27.9 cm diameter	12.5 ft x 432 ft 600 yd ² 199 lbs 11 in. diameter
		4.57 m x 109.73 m 502 m ² 94 kg 25.4 cm diameter	15.0 ft x 360 ft 600 yd ² 208 lbs 10 in. diameter
		5.33 m x 94.18 m 502 m ² 96 kg 25.4 cm diameter	17.5 ft x 309 ft 600 yd ² 211 lbs 10 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 10/13/03 and are subject to change without notice.

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