



Product Data Sheet

■ FX™-38A/O

Carthage Mills’ FX™-38A/O is a nonwoven geotextile of 100% polypropylene staple fibers that have been needlepunched and heatset. Designed specifically for asphalt applications, FX™-38A/O is approved for use by most DOT’s across the USA.

PROPERTY	TEST METHOD	DATA	
		METRIC	ENGLISH
<input type="checkbox"/> Mechanical			
Grab Tensile	ASTM D 4632	400 N	90 lbs
Grab Tensile Elongation		50%	
Mullen Burst	ASTM D 3786	1440 kPa	210 psi
Puncture	ASTM D 4833	265 N	60 lbs
Trapezoidal Tear	ASTM D 4533	175 N	40 lbs
<input type="checkbox"/> Endurance			
UV Resistance	ASTM D 4355	70% @ 500 hrs	
Melting Point	ASTM D 276	> 150°C	> 300°F
<input type="checkbox"/> Physical / Dimensional			
Mass Per Unit Area	ASTM D 5261	115 g/m ²	3.5 oz/yd ²
Thickness (Typical)	ASTM D 5199	0.7 mm	30 mils
Asphalt Retention	ASTM D 6140	0.9 l/m ²	0.20 gal/sy
Standard Roll Sizes / Packaging (Special sizes, packaging and fabrication are available.)	Measured (Typical)	3.05 x 109.7 m 334.4 m ² 49.0 kg	10.0 x 360 ft 400 yd ² 108 lbs
		31.8 x 35.6 cm diam	12.5-14 in. diameter
		3.81 m x 109.7 m 418 m ² 65.8 kg	12.5 ft x 360 ft 500 yd ² 145 lbs
		31.8 x 35.6 cm diam	12.5-14 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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