



FX[®]-55

Carthage Mills' FX[®]-55 is a woven geotextile of 100% high-tenacity, slit-film polypropylene yarns which are woven into a stable network such that they retain their relative position, and finished with selvage edges to prevent fraying. Carthage Mills' FX[®]-55 achieves higher tensile strengths at low elongation (high modulus), and is inert to biological degradation and resistant to naturally encountered chemicals, alkalis, and acids.

AASHTO M 288-06: FX[®]-55 exceeds the geotextile requirements for SEPARATION/CLASS 3 (WOVEN) and STABILIZATION/CLASS 3 (WOVEN).

PROPERTY	TEST METHOD	DATA	
		METRIC	ENGLISH
<input type="checkbox"/> Mechanical			
Grab Tensile Strength	ASTM D 4632	0.89 kN	200 lbs
Grab Tensile Elongation		15%	
Mullen Burst	ASTM D 3786	2758 kPa	400 psi
Trapezoidal Tear	ASTM D 4533	0.33 kN	75 lbs
Puncture	ASTM D 4833	0.42 kN	95 lbs
CBR Puncture	ASTM D 6241	3.11 kN	700 lbs
<input type="checkbox"/> Endurance			
UV Resistance	ASTM D 4355	70% @ 500 hrs	
<input type="checkbox"/> Hydraulics / Filtration			
Permittivity ⁽¹⁾	ASTM D 4491	0.05 sec ⁻¹	
Water Flow Rate ⁽¹⁾		160 lpm/m ²	4 gpm/ft ²
Percent Open Area	CW-02215	<1%	
Apparent Opening Size (AOS) ⁽¹⁾	ASTM D 4751	0.425 mm	40 US Std. Sieve
<input type="checkbox"/> Physical			
Standard Roll Sizes / Packaging / Weight	Measured (Typical)	3.8 m x 131.8 m 501.7 m ² 95.3 kg	12.5 ft x 432 ft 600 yd ² 210 lbs
		4.57 m x 109.7 m 501.7 m ² 97.5 kg	15.0 ft x 360 ft 600 yd ² 215 lbs
		5.33 m x 94.18 m 501.7 m ² 97.5 kg	17.5 ft x 309 ft 600 yd ² 215 lbs

- ⁽¹⁾ At the time of manufacturing. Handling, storage and shipping may change these properties.
- Unless otherwise stated, all values stated here are Minimum Average Roll Values (MARV), are calculated as the Typical minus two standard deviations and are based on a 97.7% confidence level.
 - The properties reported above are effective 07/14/09 and are subject to change without notice.

Seller makes no warranty, expressed or implied, concerning the product furnished hereunder other than at the time of delivery it shall be of the quality and specification stated herein. Any implied warranty of fitness for a particular purpose is expressly excluded, and, to the extent that it is contrary to the foregoing sentence, any implied warranty of merchantability is expressly excluded. Any recommendations made by seller concerning the uses or applications of said product are believed reliable and seller makes no warranty of results to be obtained. If the product does not meet Carthage Mills current published specifications, and the customer gives notice to Carthage Mills before installing the product, then Carthage Mills will replace the product without charge or refund the purchase price.