



■ FX[®]-55

Carthage Mills FX-55 is a woven geotextile fabric made of high-tenacity polypropylene yarns woven into a stable network. FX-55 is part of the Carthage [FX[®] Slit-Film Series](#) of woven geotextiles, achieves higher tensile strengths at low elongation (high modulus), is inert to biological degradation, and resistant to naturally encountered chemicals, alkalis, and acids.

AASHTO M 288-15: Carthage FX-55 meets the geotextile requirements of Class 3, <50% elongation for Separation and Stabilization.

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%	
Trapezoidal Tear	ASTM D 4533	0.33 kN	75 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⁾		163 l/min/m ²	4 gpm/ft ²
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 82 kg	12.5 ft x 432 ft 600 yd ² 180 lbs
		4.57 m x 109.7 m 501.7 m ² 83 kg	15.0 ft x 360 ft 600 yd ² 183 lbs
		5.33 m x 94.18 m 501.7 m ² 95 kg	17.5 ft x 309 ft 600 yd ² 210 lbs

NOTES: Mullen Burst Strength ASTM D 3786 is no longer recognized by ASTM D35 on Geosynthetics. Puncture Strength ASTM D 4833 is not recognized by AASHTO M 288-15 and has been replaced with CBR Puncture ASTM D 6241.

- ⁽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).
 - The properties reported above are effective 01-01-18 and are subject to change without notice.

» [AASHTO M 288-15: Geotextile Product Selection Guide](#)

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