



## ■ FX<sup>®</sup>-60

Carthage Mills FX-60 is a woven geotextile fabric made of high-tenacity polypropylene yarns woven into a stable network. FX-60 is part of the Carthage **FX<sup>®</sup> 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.

PROPERTY	TEST METHOD	DATA	
		METRIC	ENGLISH
<input type="checkbox"/> <b>Mechanical</b>			
Grab Tensile Strength	ASTM D 4632	1.11 kN	250 lbs
Grab Tensile Elongation		15%	
Trapezoidal Tear	ASTM D 4533	0.40 kN	90 lbs
CBR Puncture	ASTM D 6241	3.336 kN	750 lbs
<input type="checkbox"/> <b>Endurance</b>			
UV Resistance	ASTM D 4355	70% @ 500 hrs	
<input type="checkbox"/> <b>Hydraulics / Filtration</b>			
Permittivity <sup>(1)</sup>	ASTM D 4491	0.05 sec <sup>-1</sup>	
Water Flow Rate <sup>(1)</sup>		163 lpm/m <sup>2</sup>	4 gpm/ft <sup>2</sup>
Apparent Opening Size (AOS) <sup>(1)</sup>	ASTM D 4751	0.425 mm	40 US Std. Sieve
<input type="checkbox"/> <b>Physical</b>			
Standard Roll Sizes / Packaging / Weight	Measured (Typical)	3.8 m x 109.73 m 416.97 m <sup>2</sup>	12.5 ft x 360 ft 500 yd <sup>2</sup>
		3.8 m x 131.6 m 500 m <sup>2</sup>	12.5 ft x 432 ft 600 yd <sup>2</sup>
		4.57 m x 91.44 m 417.88 m <sup>2</sup>	15.0 ft x 300 ft 500 yd <sup>2</sup>
		4.57 m x 109.73 m 501.46 m <sup>2</sup>	15.0 ft x 360 ft 600 yd <sup>2</sup>
		5.33 m x 78.63 m 419.09 m <sup>2</sup>	17.5 ft x 258 ft 500 yd <sup>2</sup>
		5.33 m x 94.18 m 501.97 m <sup>2</sup>	17.5 ft x 309 ft 600 yd <sup>2</sup>

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 and has been replaced with CBR Puncture ASTM D 6241.

- <sup>(1)</sup> 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 01-01-24 and are subject to change without notice.

Not Manufactured in the USA

Carthage Mills assumes no liability for the accuracy or completeness of this information or for the ultimate use by the purchaser. Carthage Mills disclaims any and all express, implied, or statutory standards, warranties or guarantees, including without limitation any implied warranty as to merchantability or fitness for a particular purpose or arising from a course of dealing or usage of trade as to any equipment, materials, or information furnished herewith. This document should not be construed as engineering advice.