



■ FX[®] Slit-Film Series of Woven Geotextiles

Carthage Mills [FX[®] Slit-Film Series](#) of woven geotextiles are made of high-tenacity polypropylene yarns woven into a stable network. The [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.

PROPERTY	METHOD	UNIT	FX [®] -22 ⁽¹⁾ (typical)	FX [®] -55	FX [®] -60	FX [®] -66
<input type="checkbox"/> Mechanical						
Grab Tensile Strength	ASTM D 4632	lbs	153 x 149	200	250	315
Grab Tensile Elongation		%	20%	15%	15%	15%
Trapezoidal Tear	ASTM D 4533	lbs	62	75	90	120
CBR Puncture	ASTM D 6241		549	700	750	900
<input type="checkbox"/> Endurance						
UV Resistance	ASTM D 4355	% @ 500 hrs	90%	70%	70%	70%
<input type="checkbox"/> Hydraulics / Filtration						
Permittivity	ASTM D 4491	sec ⁻¹	0.09	0.05	0.05	0.05
Water Flow Rate		gpm/ft ²	7	4	4	4
Apparent Opening Size (AOS)	ASTM D 4751	US Std Sieve	50-60	40	40	40
<input type="checkbox"/> Physical						
Standard Roll Sizes	Measured (Typical)	ft (yd ²)	12.5 x 504 (700 yd ²) 15 x 420 (700 yd ²) 17.5 x 360 (700 yd ²)	12.5 x 432 (600 yd ²) 15.0 x 360 (600 yd ²) 17.5 x 309 (600 yd ²)	12.5 x 432 (600 yd ²) 15.0 x 360 (600 yd ²) 17.5 x 309 (600 yd ²)	12.5 x 360 (500 yd ²) 15.0 x 300 (500 yd ²) 17.5 x 258 (500 yd ²)

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.

- 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 12/01/21 and subject to change without notice.

1. This is a Special Order Item

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