



## ■ FX® High-Strength Series (PET) of Woven Geotextiles

Carthage Mills' FX® High-Strength Series (PET) of woven geotextiles are composed of high-tenacity, high molecular weight, multifilament polyester (PET) yarns that are woven into a stable network placed under tension, are inert to biological degradation, and resistant to naturally encountered chemicals, alkalis and acids.

**NOTE:** Carthage Mills can custom manufacture FX® High-Strength polyester geotextiles to meet individual project specifications up to approximately 70,000 lbs/ft (1,022 kN/m) Ultimate Tensile Strength; with minimal lead times and meeting difficult delivery requirements. Call for a Custom Quotation and delivery schedule.

PROPERTY	METHOD	UNITS	FX®-100PET	FX®-150PET	FX®-200PET	FX®-300PET
<b>□ Mechanical/Reinforcement</b>			(MD)	(MD)	(MD)	(MD)
Tensile Strength @ Ultimate	ASTM D 4595	lbs/in lbs/ft (kN/m)	570.8 6,850 (100.0)	856.25 10,275 (150.0)	1,141.6 13,700 (200.0)	1,712.5 20,550 (300.0)
Tensile Strength @ 5% Strain			200 2,400 (35.0)	300 3,600 (52.5)	500 6,000 (87.6)	700 8,400 (122.6)
Factory Sewn Seam - (CD)	ASTM D 4884	lbs/in lbs/ft (kN/m)	141.6 1,700 (24.8)	141.6 1,700 (24.8)	141.6 1,700 (24.8)	141.6 1,700 (24.8)
<b>□ Physical</b>						
Standard Roll Dimensions/Packaging (1)	Measured (Typical)	ft / yd <sup>2</sup> (m / m <sup>2</sup> )	16.41 ft x 328.1 ft 598 yd <sup>2</sup> (5.0 m x 100.0 m 500 m <sup>2</sup> )	16.41 ft x 328.1 ft 598 yd <sup>2</sup> (5.0 m x 100.0 m 500 m <sup>2</sup> )	16.41 ft x 328.1 ft 598 yd <sup>2</sup> (5.0 m x 100.0 m 500 m <sup>2</sup> )	16.41 ft x 328.1 ft 595 yd <sup>2</sup> (5.0m x 100.0m 500 m <sup>2</sup> )
			16.41 ft x 984.3 ft 1794 yd <sup>2</sup> (5.0 m x 300.0 m 1500 m <sup>2</sup> )	16.41 ft x 984.3 ft 1794 yd <sup>2</sup> (5.0 m x 300.0 m 1500 m <sup>2</sup> )	16.41 ft x 984.3 1794 yd <sup>2</sup> (5.0 m x 300.0 m 1500 m <sup>2</sup> )	16.41 ft x 984.3 ft 1196 yd <sup>2</sup> (5.0 m x 200.0 m 1000 m <sup>2</sup> )
						16.41 ft x 984.3 ft 51,794 yd <sup>2</sup> (5.0 m x 300.0 m 1500 m <sup>2</sup> )

- (1) Custom lengths and factory fabricated wide width panels are available by Special Order.
- Unless otherwise stated, all values stated here are Minimum Average Roll Values (MARV).
- The properties reported above are effective 01-01-18 and subject to change without notice.

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