



# ■ FX<sup>®</sup>-370TF

Carthage Mills' FX<sup>®</sup>-370TF is a woven high-performance/high-strength geotextile produced from 100% high-tenacity polypropylene yarns. Constructed with a unique twill weave, the FX<sup>®</sup>-370TF provides long-term separation, filtration, and the higher tensile strengths required for soil stabilization and reinforcement applications.

The high tensile modulus and durability of Carthage Mills' high-performance geotextiles make them ideal for many demanding soil separation/reinforcement applications including: roadway and railway construction, embankments over soft soils, waste confinement, wrapped-face retaining walls, and steepened slopes. They are inert to biological degradation, and resistant to naturally encountered chemicals, alkalis and acids.

PROPERTY	TEST METHOD	DATA	
		METRIC	ENGLISH
<input type="checkbox"/> <b>Mechanical/Performance/Design</b>	ASTM D 4595		
Wide Width Tensile Ultimate		61.3 x 59.6 kN/m	350 x 340 lbs/in 4200 x 4080 lbs/ft
Wide Width Elongation		11% x 7%	
Wide Width Tensile @ 2% Strain		11.0 x 18.0 kN/m	63 x 103 lbs/in
Wide Width Tensile @ 5% Strain		27.9 x 38.9 kN/m	159 x 222 lbs/in
Wide Width Tensile @ 10% Strain	55.2 x 59.6 kN/m	315 x 340 lbs/in	
<input type="checkbox"/> <b>Mechanical/Index</b>	ASTM D 4632		
Grab Tensile Strength		1.91 x 1.78 kN	430 x 400 lbs
Grab Tensile Elongation	21% x 16%		
Mullen Burst	ASTM D 3786	6894 kPa	1000 psi
Trapezoidal Tear	ASTM D 4533	0.65 x 0.60 kN	145 x 135 lbs
Puncture	ASTM D 4833	0.94 kN	211 lbs
CBR Puncture	ASTM D 6241	5.34 kN	1200 lbs
<input type="checkbox"/> <b>Endurance</b>	ASTM D 4355		
UV Resistance		80% @ 500 hrs	
<input type="checkbox"/> <b>Hydraulics/Filtration</b>	ASTM D 4491		
Permittivity		0.21 sec <sup>-1</sup>	
Water Flow Rate		632 lpm/m <sup>2</sup>	15.5 gpm/ft <sup>2</sup>
Apparent Opening Size (AOS)	ASTM D 4751	0.425 mm	40 US Std. Sieve
<input type="checkbox"/> <b>Physical</b>	ASTM D 5261		
Mass Per Unit Area (Typical)		309 g/m <sup>2</sup>	9.1 oz/yd <sup>2</sup>
Standard Roll Sizes / Packaging / Weight	Measured (Typical)	4.57 m x 91.4 m 418 m <sup>2</sup> 137.9 kg	15.0 ft x 300 ft 500 yd <sup>2</sup> 304 lbs
		5.21 m x 80.1 m 520 m <sup>2</sup> 171.9 kg	17.1 ft x 327 ft 622 yd <sup>2</sup> 379 lbs

- 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 01/01/10 and are subject to change without notice.

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