



■ FX[®]-600/550TF

Carthage Mills' FX[®]-600/550TF is a woven high-performance/high-strength geotextile produced from 100% high-tenacity polypropylene yarns. Constructed with a unique twill weave, the FX[®]-600/550TF 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"/> Mechanical/Performance/Design	ASTM D 4595		
Wide Width Tensile Ultimate		105 x 95 kN/m	600 x 550 lbs/in 7200 x 6504 lbs/ft
Wide Width Tensile @ 2% Strain		11 x 21.4 kN/m	63 x 122 lbs/in
Wide Width Tensile @ 5% Strain		40 x 49.3 kN/m	228 x 281 lbs/in
Wide Width Tensile @ 10% Strain		85 x 95 kN/m	486 x 512 lbs/in
<input type="checkbox"/> Mechanical/Index	ASTM D 4632		
Grab Tensile Strength		3120 x 3120 N	700 x 700 lbs
Grab Tensile Elongation		20% x 15%	
Trapezoidal Tear	ASTM D 4533	1335 x 1112 N	300 x 250 lbs
Puncture	ASTM D 4833	1335 N	300 lbs
CBR Puncture	ASTM D 6241	7565 N	1700 lbs
<input type="checkbox"/> Endurance			
UV Resistance	ASTM D 4355	80% @ 500 hrs	
<input type="checkbox"/> Hydraulics/Filtration	ASTM D 4491		
Permittivity		0.060 sec ⁻¹	
Water Flow Rate		208 lpm/m ²	5.1 gpm/ft ²
Permeability		0.030 cm/sec	
Apparent Opening Size (AOS)	ASTM D 4751	0.180 mm	80 US Std. Sieve
<input type="checkbox"/> Physical			
Mass Per Unit Area (Typical)	ASTM D 5261	500 g/m ²	14.75 oz/yd ²
Standard Roll Sizes / Packaging / Weight	Measured (Typical)	4.57 m x 91.4 m 418 m ² 218 kg	15.0 ft x 300 ft 500 yd ² 481 lbs
		5.21 m x 80.1 m 520 m ² 272 kg	17.1 ft x 327 ft 622 yd ² 598 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.

Seller makes no warranty, expressed or implied, concerning the product furnished hereunder other than at the time of delivery it shall be of the quality and specification stated herein. Any implied warranty of fitness for a particular purpose is expressly excluded, and, to the extent that it is contrary to the foregoing sentence, any implied warranty of merchantability is expressly excluded. Any recommendations made by seller concerning the uses or applications of said product are believed reliable and seller makes no warranty of results to be obtained. If the product does not meet Carthage Mills current published specifications, and the customer gives notice to Carthage Mills before installing the product, then Carthage Mills will replace the product without charge or refund the purchase price.