



■ FX[®]-400TF

Carthage Mills' FX-400TF is a woven High-Performance geotextile produced from high-tenacity polypropylene yarns. FX-400TF is part of the Carthage [FX[®] High-Performance Series](#) of woven geotextiles, is 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 Wide Width Grab Tensile Wide Width Grab Elongation	ASTM D 4595	70.0 x 70.0 kN/m	4800 x 4800 lbs/ft
		10%	
<input type="checkbox"/> Mechanical/Index Grab Tensile Strength Grab Tensile Elongation	ASTM D 4632	2.447 kN	550 lbs
		20%	
Trapezoidal Tear	ASTM D 4533	0.801 kN	180 lbs
CBR Puncture	ASTM D 6241	7.560 kN	1700 lbs
<input type="checkbox"/> Endurance UV Resistance	ASTM D 4355	80% @ 500 hrs	
<input type="checkbox"/> Hydraulics/Filtration Permittivity ⁽¹⁾ Water Flow Rate ⁽¹⁾	ASTM D 4491	0.1 sec ⁻¹	
		407 lpm/m ²	10 gpm/ft ²
Apparent Opening Size (AOS) ⁽¹⁾	ASTM D 4751	0.425 mm	40 US Std. Sieve
<input type="checkbox"/> Physical			
Standard Roll Sizes / Packaging / Weight	Measured (Typical)	4.6 m x 91.4 m 418 m ² 162 kg	15 ft x 300 ft 500 yd ² 357 lbs

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 288-15 and has been replaced with CBR Puncture ASTM D 6241.

- ⁽¹⁾ 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 12-01-16 and are subject to change without notice.

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