



■ 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	ASTM D 4595		
Wide Width Grab Tensile		75.01 x 79.97 kN/m	5140 x 5480 lbs/ft
Wide Width Grab Tensile @ 2%		10 x 15 kN/m	685 x 1030 lbs/ft
Wide Width Grab Tensile @ 5%		35 x 35 kN/m	2400 x 2400 lbs/ft
Wide Width Grab Tensile @ 10%		70 x 70 kN/m	4800 x 4800 lbs/ft
Wide Width Grab Elongation		10%	
<input type="checkbox"/> Mechanical/Index	ASTM D 4632		
Grab Tensile Strength		2.447 kN	550 lbs
Grab Tensile Elongation		20%	
Trapezoidal Tear	ASTM D 4533	0.801 kN	180 lbs
CBR Puncture	ASTM D 6241	7.55 kN	1700 lbs
<input type="checkbox"/> Endurance	ASTM D 4355		
UV Resistance		80% @ 500 hrs	
<input type="checkbox"/> Hydraulics/Filtration	ASTM D 4491		
Permittivity ⁽¹⁾		0.1 sec ⁻¹	
Water Flow Rate ⁽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 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 06-01-19 and are subject to change without notice.

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