



■ FX[®]-665MF

Carthage Mills' FX-665MF is a woven High-Performance geotextile produced from high-tenacity polypropylene yarns. FX-665MF 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 Tensile Ultimate		78.8 x 109.4 kN/m	5400 x 7500 lbs/ft
Wide Width Tensile @ 5% Strain		17.5 x 61.3 kN/m	1200 x 4200 lbs/ft
<input type="checkbox"/> Mechanical/Index	ASTM D 4632		
Grab Tensile Strength		2.670 x 3.115 kN/m	650 x 700 lbs
Grab Tensile Elongation		15 x 15%	
CBR Puncture	ASTM D 6241	8.900 kN/m	2000 lbs
<input type="checkbox"/> Endurance	ASTM D 4355	80% @ 500 hrs	
UV Resistance			
<input type="checkbox"/> Hydraulics/Filtration	ASTM D 4491	0.26 sec ⁻¹	
Permittivity ⁽¹⁾			
Water Flow Rate ⁽¹⁾		815 lpm/m ²	20 gpm/ft ²
Apparent Opening Size (AOS) ^(1,2)	ASTM D 4751	0.425 mm	40 US Std. Sieve
<input type="checkbox"/> Physical			
Standard Roll Sizes / Packaging / Weight	Measured (Typical)	4.57 m x 91.4 m 418 m ² 256 kg	15.0 ft x 300 ft 500 yd ² 565 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.

(2) Maximum Average Roll Value

- Unless otherwise stated, all values stated here are Minimum Average Roll Values (MARV).
- The properties reported above are effective 01-01-2026 and are subject to change without notice.

Carthage Mills assumes no liability for the accuracy or completeness of this information or for the ultimate use by the purchaser. Carthage Mills disclaims any and all express, implied, or statutory standards, warranties or guarantees, including without limitation any implied warranty as to merchantability or fitness for a particular purpose or arising from a course of dealing or usage of trade as to any equipment, materials, or information furnished herewith. This document should not be construed as engineering advice.