



■ 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	600 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	70% @ 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 01-01-2023 and are subject to change without notice.

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