



■ 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 @ 2% Strain (CD)		4.4 x 25.40 kN/m	1,740 lbs/ft
Wide Width Tensile @ 5% Strain		17.5 x 61.3 kN/m	1200 x 4200 lbs/ft
Wide Width Tensile @ 10% Strain		43.8 x 96.3 kN/m	3000 x 6600 lbs/ft
Tensile Modulus @ 2% Strain (CD)		70.1 x 96.3 kN/m	87,000 lbs/ft
Tensile Modulus @ 5% Strain (CD)		17.5 x 61.3 kN/m	84,000 lbs/ft
Tensile Modulus @ 10% Strain (CD)	43.8 x 96.3 kN/m	66,000 lbs/ft	
Factory Sewn Seam	ASTM D 4884	52.54 kN/m	3600 lbs/ft
<input type="checkbox"/> Endurance			
UV Resistance	ASTM D 4355	70% @ 500 hrs	
<input type="checkbox"/> Hydraulics/Filtration			
Permittivity ⁽¹⁾	ASTM D 4491	0.26 sec ⁻¹	
Water Flow Rate ⁽¹⁾		815 lpm/m ²	20 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)	4.57 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.

- ⁽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 01-01-18 and are subject to change without notice.

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