Carthage Mills **Product Data**

Geotextiles | Erosion Control | Geogrids | Geomembranes

FX®-770MF

Carthage Mills' FX-770MF is a woven High-Performance/High-Strength geotextile produced from high-tenacity polypropylene yarns. FX-770MF 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
☐ **Mechanical/Performance/Design**			
Wide Width Tensile Ultimate	ASTM D 4595	105.1 x 84.0 kN/m	7200 x 5760 lbs/ft
Wide Width Tensile @ 2% Strain		19.99 x 22.8 kN/m	1370 x 1560 lbs/ft
Wide Width Tensile @ 5% Strain		52.5 x 52.5 kN/m	3600 x 3600 lbs/ft
Wide Width Tensile @ 10% Strain		96.3 x 84.0 kN/m	6600 x 5760 lbs/ft
☐ **Endurance**			
UV Resistance	ASTM D 4355	80% @ 500 hrs	
☐ **Hydraulics/Filtration**			
Permittivity(1)	ASTM D 4491	0.90 sec^{-1}	
Permeability(1)		0.14 cm/sec	
Water Flow Rate(1)		2648 lpm/m^2	65 gpm/ft^2
Apparent Opening Size (AOS) (1)	ASTM D 4751	0.85 mm	20 US Std. Sieve
☐ **Physical**			
Standard Roll Sizes / Packaging / Weight	Measured (Typical)	4.57 m x 91.4 m 418 m^2 263 kg	15.0 ft x 300 ft 500 yd^2 580 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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