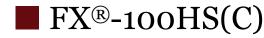


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Geotextiles | Erosion Control | Geogrids | Geomembranes



Carthage Mills' FX-100HS(C) is a multipurpose nonwoven geotextile made of polypropylene staple fibers which are formed into a random network, needlepunched and heatset for dimensional stability. FX-100HS is part of the Carthage **FX-HS Series** of nonwoven geotextiles, is inert to biological degradation and resistant to naturally encountered chemicals, alkalis, and acids.

PROPERTY	TEST METHOD	DATA	
		METRIC	ENGLISH
☐ Mechanical			
Grab Tensile Strength	ASTM D 4632	1.11 kN	250 lbs
Grab Tensile Elongation	ASTM D 4032	50%	
Trapezoidal Tear	ASTM D 4533	0.40 kN	90 lbs
CBR Puncture	ASTM D 6241	2.67 kN	600 lbs
□ Endurance			
UV Resistance	ASTM D 4355	70% @ 500 hrs	
☐ Hydraulics / Filtration			
Permittivity (1)	ACTM D 4401	0.70 sec <sup>-1</sup>	
Water Flow Rate (1)	ASTM D 4491	2648 lpm/m <sup>2</sup>	65 gpm/ft²
Apparent Opening Size (AOS) (1,2)	ASTM D 4751	0.212 mm	70 US Std. Sieve
□ Physical			
Mass Per Unit Area	ASTM D 5261	322 g/m <sup>2</sup>	9.5 oz/yd²
Standard Roll Sizes / Packaging / Weight	Measured (Typical)	4.57 m x 91.5 m 418 m² 149.6 kg	15.0 ft x 300 ft 500 yd <sup>2</sup> 330 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 01-01-24 and are subject to change without notice.

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