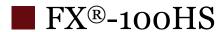


Geotextiles | Erosion Control | Geogrids | Geomembranes



Carthage Mills' FX-100HS 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 <u>FX-HS Series</u> 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	A3111 D 4032	50%	
Trapezoidal Tear	ASTM D 4533	0.45 kN	100 lbs
CBR Puncture	ASTM D 6241	3.113 kN	700 lbs
□ Endurance			
UV Resistance	ASTM D 4355	70% @ 500 hrs	
☐ Hydraulics / Filtration			
Permittivity ⁽¹⁾	- ASTM D 4491	0.80 sec ⁻¹	
Water Flow Rate (1)		3048 lpm/m ²	75 gpm/ft²
Apparent Opening Size (AOS) (1,2)	ASTM D 4751	0.150 mm	100 US Std. Sieve
□ Physical			
Mass Per Unit Area (Typical)	ASTM D 5261	339.0 g/m ²	10.0 oz/yd ²
Standard Roll Sizes / Packaging / Weight	Measured (Typical)	3.81 m x 109.7 m	12.5 ft x 360 ft
		418 m² 147 kg	500 yd² 324 lbs
		4.57 m x 91.5 m	15.0 ft x 300 ft
		418 m² 157 kg	500 yd ² 347 lbs
		157 KY	347 IUS

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 01-01-23 and are subject to change without notice.

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