



■ FX®–80HS Orange

Carthage Mills’ FX®–80HS Orange is a multipurpose, orange nonwoven geotextile of polypropylene staple fibers which are formed into a random network, needlepunched and heatset for dimensional stability. Carthage Mills’ FX®–80HS Orange is inert to biological degradation and resistant to naturally encountered chemicals, alkalis, and acids. All of our nonwoven orange demarcation fabrics include FX-35HS, FX-60HS, and FX-80HS and are typically used in drainage applications. The nonwoven orange demarcation fabrics are all printed on with “Danger Do Not Dig” in English and Spanish.

PROPERTY	TEST METHOD	Typical Values	
		METRIC	ENGLISH
<input type="checkbox"/> Mechanical			
Grab Tensile Strength	ASTM D 4632	1.06 kN	240 lbs
Grab Tensile Elongation		70%	
Trapezoidal Tear	ASTM D 4533	0.40 kN	90 lbs
CBR Puncture	ASTM D 6241	2.80 kN	630 lbs
<input type="checkbox"/> Hydraulics / Filtration			
Permittivity ⁽¹⁾	ASTM D 4491	1.5 sec ⁻¹	
Water Flow Rate ⁽¹⁾		3,870 lpm/m ²	95 gpm/ft ²
<input type="checkbox"/> Endurance			
UV Resistance	ASTM D 4355	80% @ 500 hours	
<input type="checkbox"/> Physical			
Weight	ASTM D 5161	271.20 g/m ²	8.0 oz/yd ²
Standard Roll Sizes / Packaging / Weight	Measured (Typical)	4.57 m x 91.44 m 418 m ² 122 kg	15.0 ft x 300 ft 500 yd ² 271 lbs

⁽¹⁾ At the time of manufacturing. Handling, storage and shipping may change these properties.

- Values shown are in weaker principal direction. All values are typical based on the testing listed in the table. AOS is maximum opening. The properties reported above are effective 01-01-2026 and are subject to change without notice.

Seller makes no warranty, expressed or implied, concerning the product furnished hereunder other than at the time of delivery it shall be of the quality and specification stated herein. Any implied warranty of fitness for a particular purpose is expressly excluded, and, to the extent that it is contrary to the foregoing sentence, any implied warranty of merchantability is expressly excluded. Any recommendations made by seller concerning the uses or applications of said product are believed reliable and seller makes no warranty of results to be obtained. If the product does not meet Carthage Mills current published specifications, and the customer gives notice to Carthage Mills before installing the product, then Carthage Mills will replace the product without charge or refund the purchase price.