



■ FX[®]-60HS Orange

Carthage Mills' FX[®]-60HS Orange is a multipurpose, orange in color, nonwoven geotextile of polypropylene staple fibers which are formed into a random network, needle punched and heat-set for dimensional stability. Carthage Mills' FX[®]-60HS 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 DATA	
		METRIC	ENGLISH
<input type="checkbox"/> Mechanical			
Grab Tensile Strength	ASTM D 4632	0.8 kN	180 lbs
Grab Tensile Elongation		70%	
Trapezoidal Tear	ASTM D 4533	0.311 kN	70 lbs
CBR Puncture	ASTM D 6241	2.136 kN	480 lbs
<input type="checkbox"/> Endurance			
UV Resistance	ASTM D 4355	80% @ 500 hrs	
<input type="checkbox"/> Hydraulics / Filtration			
Permittivity ⁽¹⁾	ASTM D 4491	1.7 sec ⁻¹	
Water Flow Rate ⁽¹⁾		5093 lpm/m ²	125 gpm/ft ²
Apparent Opening Size ^(1,2)	ASTM D 4751	0.15 mm	100 U.S. Sieve
<input type="checkbox"/> Physical			
Weight	ASTM D 5161	203.4 g/m ²	6.0 oz/yd ²
Roll Dimensions	Measured	4.5 m x 91m 418 m ² 100 kg	15 ft x 300 ft 500 yd ² 220 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 288-06 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
 - Values shown are in weaker principal direction. All values are typical based on the testing listed in the table. The properties reported above are effective 01-01-2026 and are subject to change without notice.

Carthage Mills assumes no liability for the accuracy or completeness of this information or for the ultimate use by the purchaser. Carthage Mills disclaims any and all express, implied, or statutory standards, warranties or guarantees, including without limitation any implied warranty as to merchantability or fitness for a particular purpose or arising from a course of dealing or usage of trade as to any equipment, materials, or information furnished herewith. This document should not be construed as engineering advice.