



## ■ FX<sup>®</sup>-35HS Orange

Carthage Mills' FX<sup>®</sup>-35HS 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<sup>®</sup>-35HS 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	DATA	
		METRIC	ENGLISH
<input type="checkbox"/> <b>Mechanical</b>			
Grab Tensile Strength	ASTM D 4632	0.445 kN	100 lbs
Grab Tensile Elongation		75%	
Trapezoidal Tear	ASTM D 4533	0.223 kN	50 lbs
CBR Puncture	ASTM D 6241	1.38 kN	310 lbs
<input type="checkbox"/> <b>Endurance</b>			
UV Resistance	ASTM D 4355	70% @ 500 hrs	
<input type="checkbox"/> <b>Hydraulics / Filtration</b>			
Permittivity <sup>(1)</sup>	ASTM D 4491	2.55 sec <sup>-1</sup>	
Water Flow Rate <sup>(1)</sup>		7,660 lpm/m <sup>2</sup>	188 gpm/ft <sup>2</sup>
<input type="checkbox"/> <b>Physical</b>			
Mass Per Unit Area	ASTM D 5261	118.65 g/m <sup>2</sup>	3.5 oz/yd <sup>2</sup>
Standard Roll Sizes / Packaging / Weight	Measured (Typical)	4.5 m x 110 m 502 m <sup>2</sup> 71.2 kg	15 ft x 360 ft 600 yd <sup>2</sup> 157 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.

- <sup>(1)</sup> 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. The properties reported above are effective 01-01-2023 and are subject to change without notice.

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