



## ■ FX<sup>®</sup>-35HS

Carthage Mills' FX-35HS is a multipurpose nonwoven geotextile of 100% polypropylene staple fibers which are formed into a random network, needlepunched and heatset for dimensional stability. FX-35HS 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.

**AASHTO M 288-06:** FX-35HS exceeds the geotextile requirements for TEMPORARY SILT FENCE (NONWOVEN – SUPPORTED).

PROPERTY	TEST METHOD	DATA	
		METRIC	ENGLISH
<input type="checkbox"/> <b>Mechanical</b>			
Grab Tensile Strength	ASTM D 4632	0.40 kN	90 lbs
Grab Tensile Elongation		50%	
Trapezoidal Tear	ASTM D 4533	0.18 kN	40 lbs
CBR Puncture	ASTM D 6241	1.09 kN	245 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	2.00 sec <sup>-1</sup>	
Water Flow Rate <sup>(1)</sup>		5908 lpm/m <sup>2</sup>	145 gpm/ft <sup>2</sup>
Apparent Opening Size (AOS) <sup>(1)</sup>	ASTM D 4751	0.300 mm	50 US Std. Sieve
<input type="checkbox"/> <b>Physical</b>			
Mass Per Unit Area (Typical)	ASTM D 5261	118.7 g/m <sup>2</sup>	3.5 oz/yd <sup>2</sup>
Thickness (Typical)	ASTM D 5199	1.2 mm	50 mils
Standard Roll Sizes / Packaging / Weight	Measured (Typical)	3.81 m x 109.7 m 418.1 m <sup>2</sup> 63.5 kg	12.5 ft x 360 ft 500 yd <sup>2</sup> 140 lbs
		4.57 m x 109.7 m 501.6 m <sup>2</sup> 77.1 kg	15.0 ft x 360 ft 600 yd <sup>2</sup> 170 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.
- Unless otherwise stated, all values stated here are Minimum Average Roll Values (MARV).
  - The properties reported above are effective 02-03-14 and are subject to change without notice.

» [AASHTO M 288-06: Geotextile Product Selection Guide](#)

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