



■ FX[®]-60HS

Carthage Mills' FX-60HS is a multipurpose nonwoven geotextile made of polypropylene staple fibers which are formed into a random network, needlepunched and heatset for dimensional stability. FX-60HS 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-60HS exceeds the geotextile requirements for Subsurface Drainage/Class 2 (nonwoven – all soil types), Separation/Class 2 (nonwoven), Stabilization/Class 2 (nonwoven), and Permanent Erosion Control/Class 2 (nonwoven – all soil types / with engineer approval).

| PROPERTY | TEST METHOD | DATA | |
|---|--------------------|--|--|
| | | METRIC | ENGLISH |
| <input type="checkbox"/> Mechanical | | | |
| Grab Tensile Strength | ASTM D 4632 | 0.71 kN | 160 lbs |
| Grab Tensile Elongation | | 50% | |
| Trapezoidal Tear | ASTM D 4533 | 0.27 kN | 60 lbs |
| CBR Puncture | ASTM D 6241 | 1.82 kN | 410 lbs |
| <input type="checkbox"/> Endurance | | | |
| UV Resistance | ASTM D 4355 | 70% @ 500 hrs | |
| <input type="checkbox"/> Hydraulics / Filtration | | | |
| Permittivity ⁽¹⁾ | ASTM D 4491 | 1.50 sec ⁻¹ | |
| Water Flow Rate ⁽¹⁾ | | 4480 lpm/m ² | 110 gpm/ft ² |
| Apparent Opening Size (AOS) ⁽¹⁾ | ASTM D 4751 | 0.212 mm | 70 US Std. Sieve |
| <input type="checkbox"/> Physical | | | |
| Mass Per Unit Area (Typical) | ASTM D 5261 | 203.4 g/m ² | 6.0 oz/yd ² |
| Thickness (Typical) | ASTM D 5199 | 1.78 mm | 70 mils |
| Standard Roll Sizes / Packaging / Weight | Measured (Typical) | 3.81 m x 109.7 m 418 m ² 102.1 kg | 12.5 ft x 360 ft 500 yd ² 225 lbs |
| | | 4.57 m x 91.44 m 418 m ² 102.1 kg | 15.0 ft x 300 ft 500 yd ² 225 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.
- Unless otherwise stated, all values stated here are Minimum Average Roll Values (MARV).
 - The properties reported above are effective 01-01-16 and are subject to change without notice.

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

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