



■ FX[®]-35HS Orange

Carthage Mills' FX[®]-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[®]-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..

| PROPERTY | TEST METHOD | TYPICAL DATA | |
|---|--------------------|--|--|
| | | METRIC | ENGLISH |
| <input type="checkbox"/> Mechanical | | | |
| Grab Tensile Strength | ASTM D 4632 | 0.445 kN | 100 lbs |
| Grab Tensile Elongation | | 70% | |
| Trapezoidal Tear | ASTM D 4533 | 0.200 kN | 45 lbs |
| CBR Puncture | ASTM D 6241 | 1.20 kN | 270 lbs |
| <input type="checkbox"/> Endurance | | | |
| UV Resistance | ASTM D 4355 | 70% @ 500 hrs | |
| <input type="checkbox"/> Hydraulics / Filtration | | | |
| Permittivity ⁽¹⁾ | ASTM D 4491 | 2.55 sec ⁻¹ | |
| Water Flow Rate ⁽¹⁾ | | 7,660 lpm/m ² | 188 gpm/ft ² |
| <input type="checkbox"/> Physical | | | |
| Mass Per Unit Area | ASTM D 5261 | 118.65 g/m ² | 3.5 oz/yd ² |
| Standard Roll Sizes / Packaging / Weight | Measured (Typical) | 4.5 m x 110 m 502 m ² 71.2 kg | 15 ft x 360 ft 600 yd ² 157 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.

- ⁽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. The properties reported above are effective 01-01-2026 and are subject to change without notice.

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