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Subject: LM 2X2HF

**LM 2x2HF** is manufactured using high tenacity polypropylene yarns that are woven to form a dimensionally stable network, which allows the yarns to maintain their relative position. **LM 2x2HF** resists ultraviolet deterioration, rotting and biological degradation and is inert to commonly encountered soil chemicals.

PROPERTY	TEST METHOD	MARV English	MARV Metric
Tensile Strength (Grab)	ASTM D-4632	315 x 315 lbs	1400 x 1400 N
Elongation	ASTM D-4632	15%	15%
Wide Width Tensile	ASTM D-4595	2400 x 2400 lbs/ft	35 x 35 kN/m
Wide Width Elongation	ASTM D-4595	12 x 8%	12 x 8%
Wide Width Tensile (2% Strain)	ASTM D-4595	240 x 240 lbs/ft	3.5 x 3.5 kN/m
Wide Width Tensile (5% Strain)	ASTM D-4595	780 x 1404 lbs/ft	11.4 x 20.5 kN/m
CBR Puncture	ASTM D-6241	1400 lbs	6230 N
Trapezoidal Tear	ASTM D-4533	125 x 125 lbs	556 x 556 N
UV Resistance	ASTM D-4355	80%	80%
Apparent Opening Size (AOS)*	ASTM D-4751	40 US Std. Sieve	0.425 mm
Permittivity	ASTM D-4491	.70 sec <sup>-1</sup>	.70 sec <sup>-1</sup>
Water Flow Rate	ASTM D-4491	50 gpm/ft <sup>2</sup>	2037 lpm/m <sup>2</sup>
Roll Sizes		15' x 300'	4.6 m x 91.5 m

Notes:

- Mullen Burst ASTM D-3786 has been removed. It is not recognized by ASTM D-35 on Geosynthetics.
- Puncture ASTM D-4833 has been removed. It is not recognized by AASHTO M288 and has been replaced with CBR Puncture ASTM D- 6241

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