



PRODUCT DATA SHEET

LM 3X3HF

LM 3X3HF 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 3X3HF 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	450 x 350 lbs	2003 x 1558 N
Elongation	ASTM D-4632	15 x 6%	15 x 6%
Wide Width Tensile	ASTM D-4595	3600 x 3600 lbs/ft	52.5 x 52.5 kN/m
Wide Width Elongation	ASTM D-4595	15 x 10%	15 x 10%
Wide Width Tensile (2% Strain)	ASTM D-4595	480 x 420 lbs/ft	7.0 x 6.1 kN/m
Wide Width Tensile (5% Strain)	ASTM D-4595	1392 x 1740 lbs/ft	20.3 x 25.4 kN/m
Wide Width Tensile (10% Strain)	ASTM D-4595	3180 x 3480 lbs/ft	46.4 x 50.8 kN/m
CBR Puncture	ASTM D-6241	1600 lbs	7120 N
Trapezoidal Tear	ASTM D-4533	180 x 140 lbs	801 x 623 N
UV Resistance (500 hrs)	ASTM D-4355	80%	80%
Apparent Opening Size (AOS)*	ASTM D-4751	30 US Std. Sieve	0.60 mm
Permittivity	ASTM D-4491	.52 sec ⁻¹	.52 sec ⁻¹
Water Flow Rate	ASTM D-4491	40 gpm/ft ²	1630 lpm/m ²

*Maximum Average Roll Valve

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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