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Technical Specifications for **LM 4X4**

LM 4X4 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 4X4** 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	575 x 500 lbs	2558 x 2225 N
Elongation	ASTM D-4632	15 x 12%	15 x 12%
Wide Width Tensile	ASTM D-4595	4800 x 4800 lbs/ft	70.1 x 70.1 kN/m
Wide Width Elongation	ASTM D-4595	8 x 6%	8 x 6%
Wide Width Tensile (5% Strain)	ASTM D-4595	1452 x 2604 lbs/ft	21.2 x 38 kN/m
CBR Puncture	ASTM D-6241	2200 lbs	9786 N
Trapezoidal Tear	ASTM D-4533	200 x 200 lbs	890 x 890 N
UV Resistance (500 hrs)	ASTM D-4355	90%	90%
Apparent Opening Size (AOS)*	ASTM D-4751	30 US Std. Sieve	0.60 mm
Permittivity	ASTM D-4491	.15 sec ⁻¹	.15 sec ⁻¹
Water Flow Rate	ASTM D-4491	10 gpm/ft ²	407.4 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

PROPERTY	Typical English	Typical Metric
Roll Dimensions	15 x 300 ft	4.6 x 91.5 m
Roll Area	500 yd ²	418 m ²

Unless otherwise noted, this certification is based on testing conducted by our Quality Assurance & Quality Control testing laboratories at the time of manufacturing. L & M Supply Co., Inc. issued this letter of certification to indicate our commitment to providing our customers with a quality product which will meet or exceed the minimum average roll values in accordance with the applicable American Society for Testing and Materials (ASTM) test method.

Respectfully,

Quincy McMillan