



# LM 2300



**LM 2300** 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 2300** resists ultraviolet deterioration, rotting, and biological degradation and is inert to commonly encountered soil chemicals.

PROPERTY	TEST METHOD	MARV English	MARV Metric
Grab Tensile	ASTM D-4632	400 x 335 lbs	1780 x 1491 N
Grab Tensile Elongation	ASTM D-4632	20% x 15%	20% x 15%
Trapezoidal Tear Strength	ASTM D-4533	145 x 125 lbs	645 x 556 N
CBR Puncture	ASTM D-6241	1250 lbs	5563 N
Wide Width Tensile	ASTM D-4595	2760 x 2700 lbs/ft	40.3 x 39.4 kN/m
UV Resistance (500 hrs)	ASTM D-4355	90%	90%
Percent Open Area	COE-02215	8%	8%
Apparent Opening Size (AOS)*	ASTM D-4751	30 US Std. Sieve	0.60 mm
Permittivity	ASTM D-4491	1.5 sec <sup>-1</sup>	1.5 sec <sup>-1</sup>
Permeability	ASTM D-4491	.13 cm/sec	.13 cm/sec
Water Flow Rate	ASTM D-4491	115 gpm/ft <sup>2</sup>	4685 lpm/m <sup>2</sup>

\*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 <sup>2</sup>	418 m <sup>2</sup>

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