

Date: 3-1-21



## PRODUCT DATA SHEET

### LM 270HP

LM 270HP 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 270HP 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 D4632	300 x 250 lbs	1334 x 1112 N
Elongation (Grab)	ASTM D4632	15% x 12%	15% x 12%
Trapezoidal Tear Strength	ASTM D4533	130 x 100 lbs	578 x 445 N
CBR Puncture	ASTM D6241	1,150 lbs	5,115 N
Wide Width Tensile	ASTM D4595	2,850 x 2,500 lbs/ft	41.6 x 36.5 kN/m
Wide Width Tensile @ 2% Strain	ASTM D4595	675 x 700 lbs/ft	9.8 x 10.2 kN/m
Wide Width Tensile @ 5% Strain	ASTM D4595	1,500 x 1,440 lbs/ft	21.9 x 21 kN/m
Wide Width Tensile @ 10% Strain	ASTM D4595	2,700 x 2,450 lbs/ft	39.4 x 35.7 kN/m
UV Resistance (500 hrs)	ASTM D4355	80%	80%
Apparent Opening Size*	ASTM D4751	30 US Std. Sieve	0.60 mm
Permittivity	ASTM D4491	.70 sec-1	.70 sec-1
Permeability	ASTM D4491	0.04 cm/sec	0.04 cm/sec
Water Flow Rate	ASTM D4491	50 gpm/ft <sup>2</sup>	2,037 lpm/m <sup>2</sup>
Roll Dimensions	Measured	15 ft x 300 ft	4.6 m x 91.5 m
Roll Dimensions	Measured	500 yd <sup>2</sup>	418 m <sup>2</sup>

\*Maximum Average Roll Valve

Disclaimer: L&M BAG & SUPPLY CO., INC. assumes no liability for the completeness or accuracy of this information or the ultimate use of this information. L&M BAG & SUPPLY CO., INC. disclaims any and all implied, expressed, or statutory standards, guarantees, or warranties. This includes without limitation any implied warranty as to merchantability or fitness for a particular purpose or arising from a course of dealing or usage of trade as to equipment, materials, or information furnished herewith. This document should not be construed as engineering advice. Always consult the project engineer for project specific requirements. The end user assumes sole responsibility for the use of this information and product. The property values listed above are subject to change without notice. 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 BAG & 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,

Rusty Payne  
Business Development / Engineering