

# LM 270HP

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**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             |
|---------------------------------|-------------|------------------------|-------------------------|
| Wide Width Tensile              | ASTM D-4595 | 2640 x 2460 lbs/ft     | 38.5 x 35.9 kN/m        |
| Wide Width Tensile (2% Strain)  | ASTM D-4595 | 480 x 588 lbs/ft       | 7.0 x 8.6 kN/m          |
| Wide Width Tensile (5% Strain)  | ASTM D-4595 | 1212 x 1356 lbs/ft     | 17.7 x 19.8 kN/m        |
| Wide Width Tensile (10% Strain) | ASTM D-4595 | 2340 x 2412 lbs/ft     | 34.1 x 35.2 kN/m        |
| 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 | .70 sec <sup>-1</sup>  | .70 sec <sup>-1</sup>   |
| Permeability                    | ASTM D-4491 | .04 cm/sec             | .04 cm/sec              |
| Water Flow Rate                 | ASTM D-4491 | 50 gpm/ft <sup>2</sup> | 2037 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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*Manufactured by: L&M Supply Co.*

***Silt Management Supplies, LLC.***  
***19407 Park Row, Ste. 104***  
***Houston, Texas 77084***  
***Ph. 281-717-8921***  
***Email: [sms@siltmanagementsupplies.com](mailto:sms@siltmanagementsupplies.com)***  
***[www.siltmanagementsupplies.com](http://www.siltmanagementsupplies.com)***

