

# LAMTEC<sup>®</sup>

## Corporation

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## WMP-10

POLYPROPYLENE / SCRIM / KRAFT

Meets ASTM C1136, Type II, IV

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| FACING COMPOSITION | DESCRIPTION                             | VALUES (ENGLISH)               | VALUES (METRIC)                      |
|--------------------|---|--------------------------------|--------------------------------------|
| White Film         | Metallized Polypropylene                | 0.0015 inch                    | 38.1 micrometers                     |
| Adhesive           | Flame Resistant                         |                                |                                      |
| Reinforcing        | Tri-directional<br>Fiberglass/Polyester | 5 / inch (MD)<br>5 / inch (XD) | 20 / 100 mm (MD)<br>20 / 100 mm (XD) |
| Kraft              | White                                   | 14 lbs / 3000 ft <sup>2</sup>  | 23 gm / m <sup>2</sup>               |

| PHYSICAL PROPERTIES         | TEST METHOD                       | VALUES (ENGLISH)                                 | VALUES (METRIC)                     |
|-----------------------------|-----------------------------------|--|-------------------------------------|
| Basis Weight                | Scale                             | 19 lbs / 1000 ft <sup>2</sup>                    | 93 gm / m <sup>2</sup>              |
| Permeance (WVTR)            | ASTM E96<br>Procedure A           | 0.02 perm<br>(grains/hrft <sup>2</sup> -in Hg)   | 1.15 ng / m <sup>2</sup> -s-Pa      |
| Bursting Strength           | ASTM D774                         | 65 psi   | 4.6 kg / cm <sup>2</sup>            |
| Puncture Resistance         | ASTM C1136                        | 125 beach units                                  | 3.7 Joules                          |
| Tensile Strength            | ASTM C1136                        | 40 lbs/inch width (MD)<br>35 lbs/inch width (XD) | 7.0 kn / m (MD)<br>6.1 kn / m (XD)  |
| Caliper / Thickness         | Micrometer                        | 0.009 inch                                       | 229 micrometers                     |
| Accelerated Aging           | 30 Days @<br>95% RH, 120°F (49°C) | No Corrosion<br>No Delamination                  | No Corrosion<br>No Delamination     |
| Low Temperature Resistance  | ASTM D1790<br>-40°F (-40°C)       | Remains Flexible<br>No Delamination              | Remains Flexible<br>No Delamination |
| High Temperature Resistance | 4 hours @<br>240°F (116°C)        | Remains Flexible<br>No Delamination              | Remains Flexible<br>No Delamination |
| Water Immersion             | 24 hours @ 73°F (23°C)            | No Delamination                                  | No Delamination                     |

|                       |                   |           |           |
|-----------------------|-------------------|-----------|-----------|
| Mold Resistance       | ASTM C665 / C1338 | No Growth | No Growth |
| Dimensional Stability | ASTM D1204        | 0.25%     | 0.25%     |
| Light Reflectance     | ASTM C523         | 85%       | 85%       |

| FIRE TESTING  | UL 723 / ASTM E84 |                 | CAN ULC-S102M |                 | BRITISH ST    |
|---------------|-------------------|-----------------|---------------|-----------------|---------------|
|               | Flame Spread      | Smoke Developed | Flame Spread  | Smoke Developed | Parts / Summa |
| Film Exposed  | 10                | 10              | 15            | 30              | Class 0       |
| Kraft Exposed | 15                | 5               | 15            | 45              |               |

Physical Properties based upon statistical averages, Weight / Thickness +/- 10%

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