


## WMP-VR-R PLUS

POLYPROPYLENE / SCRIM / POLYESTER

Meets ASTM C1136, Type II, IV

| FACING COMPOSITION | DESCRIPTION                   | VALUES (ENGLISH)               | VALUES (METRIC)                      |
|--------------------|-------------------------------|--------------------------------|--------------------------------------|
| White Film         | Polypropylene                 | 0.0015 inch                    | 38.1 micron                          |
| Adhesive           | Flame Resistant               |                                |                                      |
| Reinforcing        | Tri-directional<br>Fiberglass | 4 / inch (MD)<br>4 / inch (XD) | 16 / 100 mm (MD)<br>16 / 100 mm (XD) |
| Film               | Metallized Polyester          | 0.0005 inch                    | 12.7 micron                          |

| PHYSICAL PROPERTIES         | TEST METHOD                       | VALUES (ENGLISH)                                 | VALUES (METRIC)                     |
|-----------------------------|-----------------------------------|--|-------------------------------------|
| Basis Weight                | Scale                             | 14 lbs / 1000 ft <sup>2</sup>                    | 68 g / m <sup>2</sup>               |
| Permeance (WVTR)            | ASTM E96<br>Procedure A           | 0.02 perm<br>(grains/hr·ft <sup>2</sup> ·in Hg)  | 1.15 ng / N's                       |
| Bursting Strength           | ASTM D774                         | 100 psi  | 7.0 kg / cm <sup>2</sup>            |
| Tensile Strength            | ASTM C1136                        | 35 lbs/inch width (MD)<br>35 lbs/inch width (XD) | 6.1 kN / m (MD)<br>6.1 kN / m (XD)  |
| Caliper / Thickness         | Micrometer                        | 0.007 inch                                       | 178 micron                          |
| 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    | ASTM E84 / UL 723  |                | CAN/ULC-S102M      |                |  |
|-----------------|--------------------|----------------|--------------------|----------------|---|
|                 | Polypropylene Side | Polyester Side | Polypropylene Side | Polyester Side |   |
| Flame Spread    | 10                 | 10             | 10                 | 10             |   |
| Smoke Developed | 35                 | 40             | 50                 | 40             |   |

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