# WMP-50 BLACK

BLACK COATING / POLYPROPYLENE / SCRIM / CORE / METALLIZED POLYESTER

Meets ASTM C1136, Type I, II, III, IV

## Facing Composition

<table>
<thead>
<tr>
<th>Description</th>
<th>Values (English)</th>
<th>Values (Metric)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Black Coating</td>
<td>Flame Resistant</td>
<td>0.0002&quot;</td>
</tr>
<tr>
<td>White Film</td>
<td>Polypropylene</td>
<td>0.0015 inch</td>
</tr>
<tr>
<td>Adhesive</td>
<td>Flame Resistant</td>
<td></td>
</tr>
<tr>
<td>Reinforcing</td>
<td>Tri-directional</td>
<td>5 / inch (MD)</td>
</tr>
<tr>
<td></td>
<td>Fiberglass/Polyester</td>
<td>5 / inch (XD)</td>
</tr>
<tr>
<td>Core</td>
<td>Proprietary</td>
<td>30 lbs / 3000 ft²</td>
</tr>
<tr>
<td>Adhesive</td>
<td>Polymeric</td>
<td></td>
</tr>
<tr>
<td>Film</td>
<td>Metallized Polyester</td>
<td>0.0005 inch</td>
</tr>
</tbody>
</table>

## Physical Properties

<table>
<thead>
<tr>
<th>Test Method</th>
<th>Values (English)</th>
<th>Values (Metric)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Basis Weight</td>
<td>Scale</td>
<td>34 lbs / 1000 ft²</td>
</tr>
<tr>
<td>Permeance (WVTR)</td>
<td>ASTM E96 Procedure A</td>
<td>0.02 perm (grains/hr ft² in Hg)</td>
</tr>
<tr>
<td>Bursting Strength</td>
<td>ASTM D774</td>
<td>120 psi</td>
</tr>
<tr>
<td>Puncture Resistance</td>
<td>ASTM C1136</td>
<td>125 beach units</td>
</tr>
<tr>
<td>Tensile Strength</td>
<td>ASTM C1136</td>
<td>65 lbs/inch width (MD)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>60 lbs/inch width (XD)</td>
</tr>
<tr>
<td>Caliper / Thickness</td>
<td>Micrometer</td>
<td>0.011 inch</td>
</tr>
<tr>
<td>Accelerated Aging</td>
<td>30 Days @ 95% RH, 120°F (49°C)</td>
<td>No Corrosion</td>
</tr>
<tr>
<td></td>
<td></td>
<td>No Delamination</td>
</tr>
<tr>
<td>Low Temperature Resistance</td>
<td>ASTM D1790</td>
<td>Remains Flexible</td>
</tr>
<tr>
<td>High Temperature Resistance</td>
<td>-40°F (-40°C)</td>
<td>No Delamination</td>
</tr>
<tr>
<td>Water Immersion</td>
<td>4 hours @ 240°F (116°C)</td>
<td>Remains Flexible</td>
</tr>
<tr>
<td>Mold Resistance</td>
<td>ASTM C665 / C1338</td>
<td>No Delamination</td>
</tr>
<tr>
<td>Dimensional Stability</td>
<td>ASTM D1204</td>
<td>0.25%</td>
</tr>
</tbody>
</table>

## Fire Testing

<table>
<thead>
<tr>
<th>Test Method</th>
<th>Polypropylene Side</th>
<th>Polypropylene Side</th>
<th>Polyester Side</th>
<th>Polyester Side</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flame Spread</td>
<td>5</td>
<td>5</td>
<td>5</td>
<td>5</td>
</tr>
<tr>
<td>Smoke Developed</td>
<td>30</td>
<td>20</td>
<td>30</td>
<td>20</td>
</tr>
</tbody>
</table>

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

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