

## AFS-2 / PB FOIL / LINER / FOIL - BLACK

| FACING COMPOSITION | DESCRIPTION     | VALUES (ENGLISH)              | VALUES (METRIC)         |
|--------------------|-----------------|-------------------------------|-------------------------|
| Foil               | Aluminum        | 0.0003 inch                   | 7.6 micron              |
| Adhesive           | Emulsion        |                               |                         |
| Kraft Liner        | Natural         | 38 lbs / 1000 ft <sup>2</sup> | 186 gm / m <sup>2</sup> |
| Adhesive           | Emulsion        |                               |                         |
| Foil               | Aluminum        | 0.0003 inch                   | 7.6 micron              |
| Black Coating      | Flame Resistant | 0.0002 inch                   | 5.1 micron              |

| PHYSICAL PROPERTIES          | TEST METHOD                       | VALUES (ENGLISH)                                 | VALUES (METRIC)                     |
|------------------------------|-----------------------------------|--|-------------------------------------|
| Basis Weight                 | Scale                             | 49 lbs / 1000 ft <sup>2</sup>                    | 239 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 / N's                       |
| Bursting Strength            | ASTM D774                         | 90 psi   | 6.3 kg / cm <sup>2</sup>            |
| Puncture Resistance          | ASTM C1136                        | 40 beach units                                   | 1.2 Joules                          |
| Tensile Strength             | ASTM C1136                        | 85 lbs/inch width (MD)<br>35 lbs/inch width (XD) | 14.9 kn / m (MD)<br>6.1 kn / m (XD) |
| Caliper / Thickness          | Micrometer                        | 0.012 inch                                       | 305 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                         | No Growth  | No Growth                           |
| Dimensional Stability        | ASTM D1204                        | 0.25%  | 0.25%                               |
| Emissivity (non-coated side) | ASTM E408                         | 0.03   | 0.03                                |

| FIRE TESTING          |              |                 |
|-----------------------|--------------|-----------------|
|                       | E-84         |                 |
|                       | Flame Spread | Smoke Developed |
| Black Coating Exposed | 20           | 30              |

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

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