

## AFS-2 FOIL / LINER / FOIL

| 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              |

| PHYSICAL PROPERTIES         | TEST METHOD                       | VALUES (ENGLISH)                                 | VALUES (METRIC)                     |
|-----------------------------|-----------------------------------|--|-------------------------------------|
| Basis Weight                | Scale                             | 48 lbs / 1000 ft <sup>2</sup>                    | 235 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                  | ASTM E408                         | 0.03   | 0.03                                |

| FIRE TESTING |                 |                    |
|--------------|-----------------|--------------------|
|              | E-84            |                    |
|              | Flame<br>Spread | Smoke<br>Developed |
| Foil Exposed | 3               | 3                  |

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

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