



MB 2005

Product Information

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

| FACING COMPOSITION | DESCRIPTION | VALUES (ENGLISH) | VALUES (METRIC) |
|--------------------|---|--------------------------------|--------------------------------------|
| Foil | Aluminum | 0.0003 inch | 7.6 micron |
| Barrier Coating | Elastomeric Polymer | 0.0001 inch | 2.5 micron |
| Reinforcing | Tri-directional Fiberglass/Polyester | 5 / inch (MD) 5 / inch (XD) | 20 / 100 mm (MD) 20 / 100 mm (XD) |
| Adhesive | Flame Resistant | | |
| Kraft | Natural | 30 lbs / 3000 ft ² | 49 g / m ² |

| PHYSICAL PROPERTIES | TEST METHOD | VALUES (ENGLISH) | VALUES (METRIC) |
|-----------------------------|-----------------------------------|--|-------------------------------------|
| Basis Weight | Scale | 24 lbs / 1000 ft ² | 117 g / m ² |
| Permeance (WVTR) | ASTM E96 Procedure A | 0.02 perm (grains/hrft ² in Hg) | 1.15 ng / N's |
| Bursting Strength | ASTM D774 | 60 psi | 4.2 kg / cm ² |
| Puncture Resistance | ASTM C1136 | 85 beach units | 2.5 Joules |
| Tensile Strength | ASTM C1136 | 55 lbs/inch width (MD) 35 lbs/inch width (XD) | 9.6 kN / m (MD) 6.1 kN / m (XD) |
| Caliper / Thickness | Micrometer | 0.008 inch | 203 micron |
| Accelerated Aging | 30 Days @ 95% RH, 120°F (49°C) | No Corrosion No Delamination | No Corrosion No Delamination |
| Low Temperature Resistance | ASTM D1790 -40°F (-40°C) | Remains Flexible No Delamination | Remains Flexible No Delamination |
| High Temperature Resistance | 4 hours @ 240°F (116°C) | Remains Flexible No Delamination | Remains Flexible 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% |
| Emissivity | ASTM E408 | 0.03 | 0.03 |

| FIRE TESTING | UL 723 / ASTM E84 | | CAN ULC-S102M | |
|---------------|-------------------|-----------------|---------------|-----------------|
| | Flame Spread | Smoke Developed | Flame Spread | Smoke Developed |
| Foil Exposed | 5 | 0 | 5 | 5 |
| Kraft Exposed | 25 | 10 | 25 | 25 |

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

This product has similar characteristics to R-3035 HD / MB 3007X

This product is manufactured by Compac Corporation of Hackettstown, NJ