

WCF-50

WHITE FOIL / SCRIM / CORE / METALLIZED POLYESTER

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

| FACING COMPOSITION | DESCRIPTION | VALUES (ENGLISH) | VALUES (METRIC) |
|--------------------|---|--------------------------------|--------------------------------------|
| White Foil | Aluminum | 0.0003 inch | 7.6 micron |
| Adhesive | Polymeric | | |
| Core | Proprietary | 30 lbs / 3000 ft ² | 49 g / m ² |
| Reinforcing | Tri-directional Fiberglass/Polyester | 5 / inch (MD) 5 / inch (XD) | 20 / 100 mm (MD) 20 / 100 mm (XD) |
| Adhesive | Flame Resistant | | |
| Film | Metallized Polyester | 0.0005 inch | 12.7 micron |

| PHYSICAL PROPERTIES | TEST METHOD | VALUES (ENGLISH) | VALUES (METRIC) |
|-----------------------------|-----------------------------------|--|-------------------------------------|
| Basis Weight | Scale | 29 lbs / 1000 ft ² | 142 g / m ² |
| Permeance (WVTR) | ASTM E96 Procedure A | 0.02 perm (grains/hr·ft ² ·in Hg) | 1.15 ng / N's |
| Bursting Strength | ASTM D774 | 100 psi | 7.0 kg / cm ² |
| Puncture Resistance | ASTM C1136 | 90 beach units | 2.7 Joules |
| Tensile Strength | ASTM C1136 | 60 lbs/inch width (MD) 55 lbs/inch width (XD) | 10.5 kN / m (MD) 9.6 kN / m (XD) |
| Caliper / Thickness | Micrometer | 0.009 inch | 229 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% |
| Light Reflectance | ASTM E308 | 62% | 62% |

| FIRE TESTING | UL-723 / ASTM E84 | | CAN ULC-S102M | |
|-------------------|-------------------|-----------------|---------------|-----------------|
| | Flame Spread | Smoke Developed | Flame Spread | Smoke Developed |
| Foil Exposed | 5 | 0 | 5 | 0 |
| Polyester Exposed | 15 | 45 | 15 | 45 |

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

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