



ARENASHIELD

FOIL / FIBERGLASS-POLYESTER BLEND FABRIC

| FACING COMPOSITION | DESCRIPTION | VALUES (ENGLISH) | VALUES (METRIC) |
|--------------------|----------------------------|-------------------------------|------------------------|
| Foil | Aluminum | 0.0003 inch | 7.6 micron |
| Adhesive | Flame Resistant | | |
| Fabric | Fiberglass/Polyester Blend | 75 lbs / 3000 ft ² | 122 g / m ² |

| PHYSICAL PROPERTIES | TEST METHOD | VALUES (ENGLISH) | VALUES (METRIC) |
|-----------------------------|-----------------------------------|--|--------------------------------------|
| Basis Weight | Scale | 40 lbs / 1000 ft ² | 195 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 | 250 psi | 17.6 kg / cm ² |
| Puncture Resistance | ASTM C1136 | 550 beach units | 16.4 Joules |
| Tensile Strength | ASTM C1136 | 195 lbs/inch width(MD) 150 lbs/inch width(XD) | 34.1 kN / m (MD) 26.3 kN / m (XD) |
| Caliper / Thickness | Micrometer | 0.006 inch | 152 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 | ASTM E84 / UL 723 | | CAN ULC-S102M | |   |
|-----------------|-------------------|-------------|---------------|-------------|--|
| | Foil Side | Fabric Side | Foil Side | Fabric Side | |
| Flame Spread | 5 | 5 | 5 | 5 | |
| Smoke Developed | 5 | 5 | 5 | 5 | |

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

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