

8910

FOIL / POLYESTER

Tentative Specification

| FACING COMPOSITION | DESCRIPTION | VALUES (ENGLISH) | VALUES (METRIC) |
|--------------------|-----------------|------------------|-----------------|
| Foil | Aluminum | 0.0003 inch | 7.6 microns |
| Adhesive | Flame-Resistant | | |
| Film | Polyester | 0.00048 inch | 12.2 microns |

| PHYSICAL PROPERTIES | TEST METHOD | VALUES (ENGLISH) | VALUES (METRIC) |
|-----------------------------|-----------------------------|--|-------------------------------------|
| Basis Weight | Scale | 8.9 lbs / 1000 ft ² | 43.5 g / m ² |
| Caliper / Thickness | Micrometer | 0.001 inch | 25.4 microns |
| Mullen Burst | ASTM D774 | 40 psi | 275 kPa |
| Tensile Strength | ASTM C1136 | 14 lbs / in width (MD) 14 lbs / in width (CD) | 2.4 kN / m (MD) 2.4 kN / m (CD) |
| 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 |
| Emissivity (Foil Side) | ASTM E408 | 0.03 | 0.03 |

| FIRE TESTING | UL 723 | | British Standard 476 |
|-------------------|--------------|-----------------|------------------------------|
| | Flame Spread | Smoke Developed | Parts 6 and 7 Summary Report |
| Foil Exposed | < 25 | < 50 | Class 0 Surface |
| Polyester Exposed | < 25 | < 50 | |

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

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