

PRODUCT DATA SHEET

METAL BUILDING INSULATION

#MBI-AG70-PREMIUM

PECK RESISTANT



**INNOVATIVE
INSULATION**

POLYETHYLENE / SCRIM / POLYESTER

| FACING COMPOSITION | DESCRIPTION | WARRANTY |
|---|--|---|
| White Film Adhesive Reinforcing Film | Polyethylene Flame Resistant Fiberglass Metalized Polyester | Lifetime against Defects & Delamination |

| PHYSICAL PROPERTIES | TEST METHOD | VALUES |
|-----------------------------|-------------------------|---|
| Basis Weight | Scale | 32 lbs / 1000ft ² |
| Permeance (WVTR) | ASTM E96 Procedure A | 0.02 perm (grains/hrft ² in Hg) |
| Puncture Strength | | 60 lbs psi |
| Tensile Strength | ASTM D2261 | 24.56 lbs/inch width (MD) 21.49 lbs/inch length (XD) |
| Caliper / Thickness | Micrometer | 7 mm |
| Accelerated Aging | AST M, G154 | No Corrosion No Delamination |
| Low Temperature Resistance | ASTM C1313-05 | Remains Flexible No Delamination |
| High Temperature Resistance | ASTM C1313-05 | Remains Flexible No Delamination |
| Water Immersion | 24 hours @ 73°F (23°C) | No Delamination |
| Mold Resistance | ASTM C1338-08 | No Growth |
| Light Reflectance | ASTM C1371-04A | 95% Emissivity .05 |

| FIRE TESTING | Polyethylene | Polyester |
|-----------------------------|---------------------|---------------------|
| | Side | Side |
| Flame Spread ASTM E84-10 | 0 Flame Spread | 0 Flame Spread |
| Smoke Developed ASTM E84-10 | 5 Smoke Development | 5 Smoke Development |

| THERMAL RESISTANCE VALUES FTC 16CFR PART 460 |
|--|
| Heat Flow Down R-12.46 |
| Heat FLOW Up R-2.17 |
| Heat Flow Horizontal R-5.54 |