



## Material Specification Sheet

**Material Number:** 12500

**Description:** Reflective Single Bubble Foil Insulation

**Applications:** 12500 is a multi-layer aluminized polyester-faced radiant heat/vapor barrier. This material utilizes the low emissivity properties of aluminum to greatly reduce heat radiated by troublesome heat sources. A single layer of polyethylene bubble pack acts as an isolator between high emissivity materials and the aluminum to enhance its low emissivity properties.

Applications include appliance manufacture, recreational vehicles, automotive, off-road equipment, generators, buildings, and many other enclosures.

### Product Construction:

Layer	Description
1	Aluminized Polyester Film
2	Clear Polyethylene Film
3	Clear Polyethylene Bubble-Pack
4	White Polyethylene Film

### Typical Physical Properties:

Property	Test Method	Value
Thickness	N/A	0.1875 ± 0.0625"
Emissivity	ASTM C 1371	0.05 max
Water Vapor Permeability	ASTM E 96	0.002 perms max
Mold and Mildew Resistance	N/A	No growth
Hot Surface Performance	ASTM C 411	96 hours @ 250°F, No damage

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