



Material Specification Sheet

Material Number: 12502

Description: Reflective Double Bubble Dual Foil Insulation

Applications: 12502 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. Two layers of polyethylene bubble pack act to isolate high emissivity materials from 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	Clear Polyethylene Film
5	Clear Polyethylene Bubble-Pack
6	White Polyethylene Film
7	Aluminized Polyester Film

Typical Physical Properties:

Property	Test Method	Value
Thickness	N/A	0.3125" nominal
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
Service Temperature	N/A	-60°F to 180°F

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