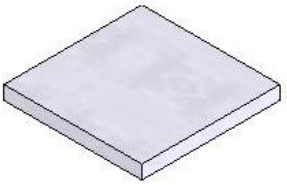
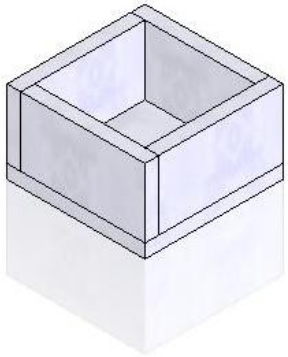
Styrene Products, Inc.

Box Liner Insulation

Benefits

Expanded polystyrene (EPS) box liner insulation can turn any shipping container into a lightweight, cost effective cooler. The assembly consists of 6 pads which are placed inside a box or shipping carton. Each dimension of the EPS pads, including thickness, is easily customizable to fit any size carton. In addition, insulation effectiveness can be customized by changing the thickness and/or density (see chart below).





In comparison to a molded cooler, no custom tooling is needed. The EPS pads are shipped flat which provides for ease of handling, significantly reduced storage space, and reduced freight costs.

As an insulation material, EPS clearly demonstrates its superior performance. The R-value will not decrease with age, assuring long-term thermal performance. Competing insulation materials can lose thermal resistance over time, but EPS is sure to provide a dependable, consistent, and stable temperature environment. Tension fit assembly options are also available, as shown in the photo below.

Thermal Resistance (ASTM C578)*	
Density	R-value
1.0 pcf	4.17
1.25 pcf	4.25
1.5 pcf	4.55

* per 1" thickness

Tension fit assembly

Applications

Ideal for any temperature sensitive products or products requiring temperature regulation during shipment, including but not limited to

- Perishable food, meat, and produce
- Frozen gourmet foods & desserts
- Pharmaceutical items
- Medications and vaccines
- Lab specimens
- Biological agents
- Mail order deliveries
- Floral shipments

Call for samples or quote

Environmental Impact

EPS insulation is an inert, organic material produced from petroleum and natural gas by-products. EPS insulation does not contain ozone depleting CFCs or HCFCs. It provides no nutritive value to plants, animals or micro-organisms, and it is highly resistant to mildew. EPS is 100% recyclable as a #6 plastic.

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