

# Cold Chain Packaging Products

*Protecting your temperature-sensitive shipments*



**CoolPAC** products are the ultimate in thermal protection. Our insulated box liners, mailers, pouches, roll stock and pallet covers create the ideal temperature-controlled environment for shipping prepared meals, pharmaceuticals, flowers, cosmetics, chocolates, and so much more. Greatly reduce radiant heat transfer, reduce foam packaging waste, and ship with a quality cold chain solution.

**CoolPAC** cold chain packaging products:

- Protect against radiant heat intrusion
- Reduce heat infiltration points
- Feature a peel and seal release liner for easy closure
- Protect against freezing during winter months
- Take up less space in the warehouse
- Are available in custom sizes
- Are made with materials that are FDA approved for food contact
- Greatly reduce DIM weights compared to traditional coolers and insulated boxes



**PAC**  
WORLDWIDE  
*Protecting The Things People Care About™*

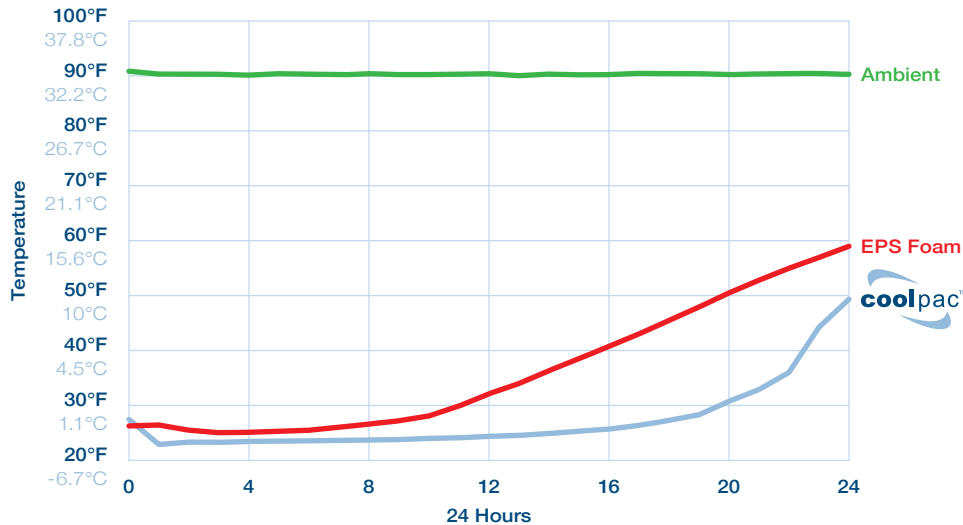


Visit us at [www.pac.com](http://www.pac.com) or email: [info@pac.com](mailto:info@pac.com)

# Third Party Thermal Tests

CoolPAC is the ultimate in thermal performance, proven by rigorous testing.

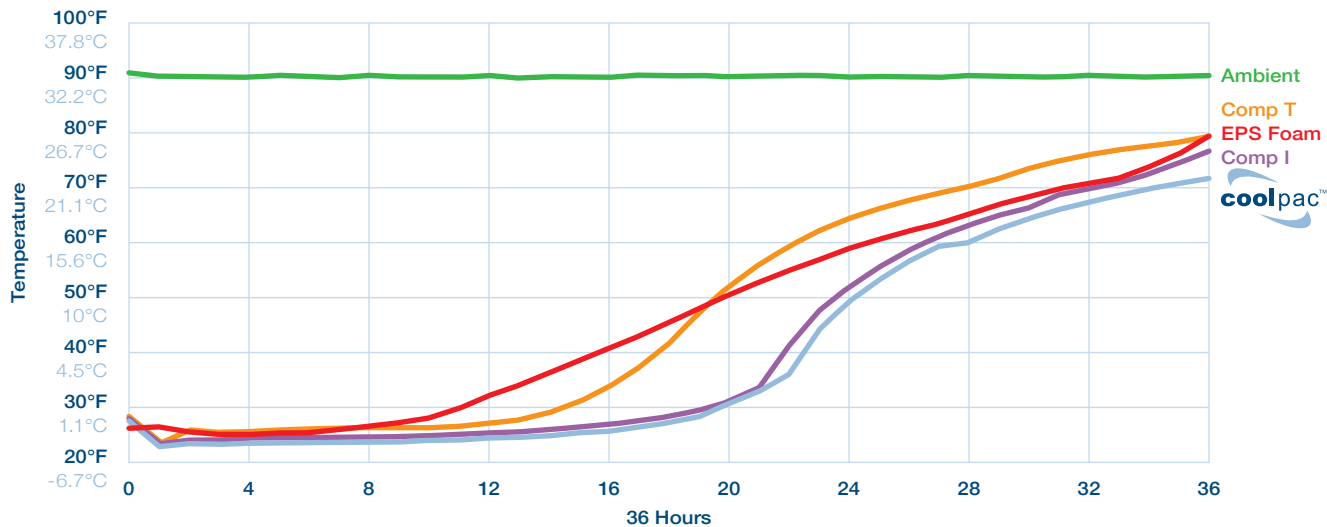
## 24 HOUR THERMAL TEST



### Test Details

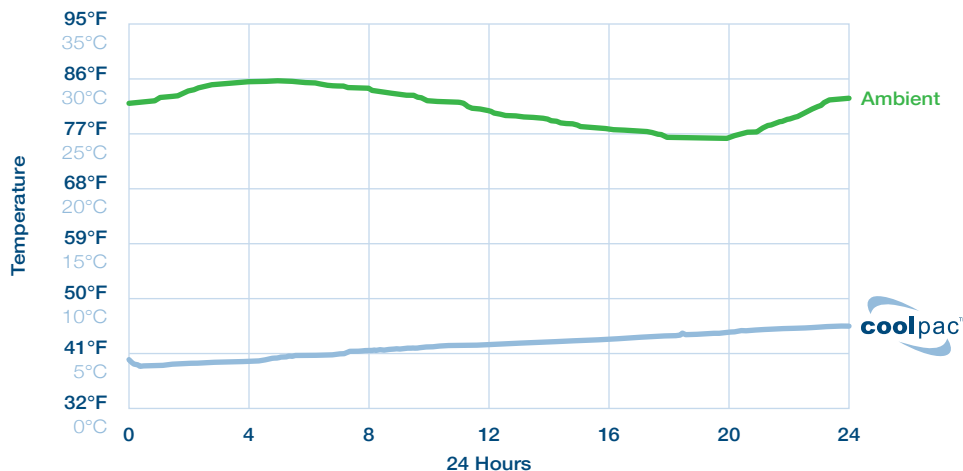
Contents: 1 lb. of gourmet chocolate  
Box ID: 8" x 8" x 8"  
Coolant: (2) 24 oz. frozen gel packs  
Ambient: 90° F constant  
Insulation: 1/2" nominal EPS foam sheet on all (6) sides  
vs. CoolPAC reflective bubble box liner

## 36 HOUR THERMAL TEST



Test Details  
Same as above

## ISTA 7E HEAT 24 HOUR TEST



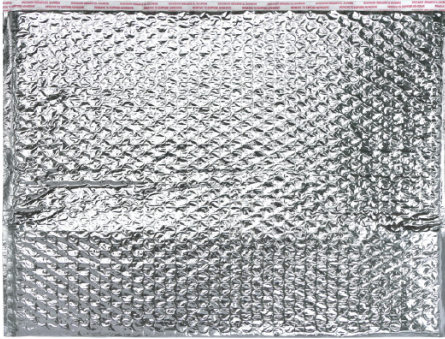
### Test Details

Contents: 1 oz. liquid solution placed in small inner box  
Box ID: 9" x 7" x 8"  
Coolant: (3) 16 oz. frozen gel packs  
Ambient: ISTA 7E Heat  
Insulation: CoolPAC reflective bubble box liner

# Shipping Comparison

*CoolPAC saves on inbound freight and warehouse space. See how we measure up.*

## CoolPAC Box Liner (8" x 8" x 8")



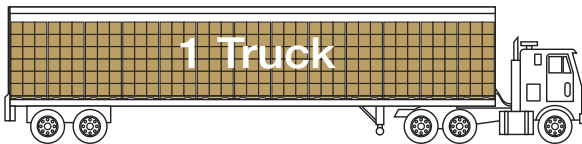
1,350 per pallet x 27 pallets per truck  
= 36,450 CoolPAC Box Liners per truck

## EPS Foam Lined Box (8" x 8" x 8")

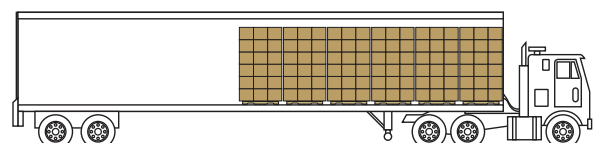
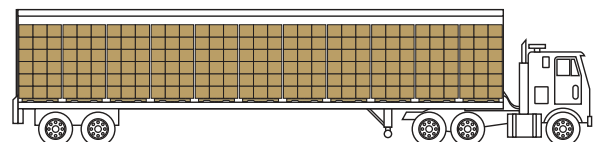
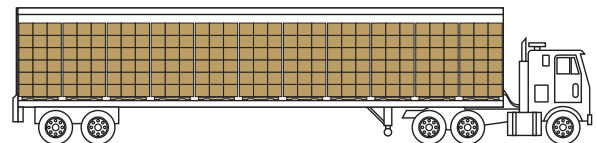
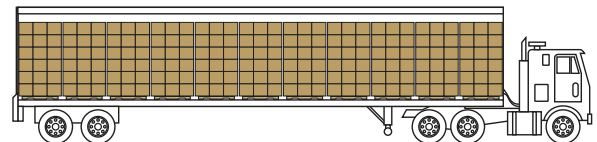
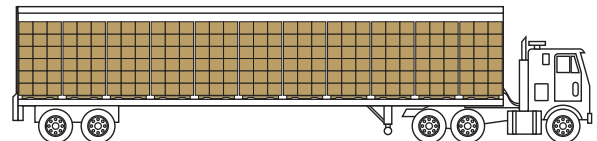
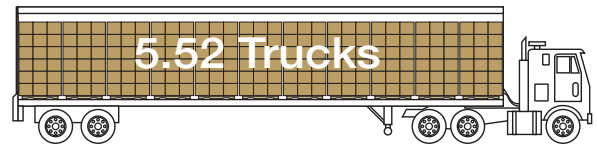


300 per pallet x 22 pallets per truck  
= 6,600 Foam Lined Boxes per truck

**One truck load of CoolPAC Box Liners is equivalent to 5.52 truck loads of Foam Lined Boxes**



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# Cold Chain Packaging Products

*Protecting your temperature-sensitive shipments*



## STOCK PRODUCTS

### Box Liners

CoolPAC's specialized bubble offers both thermal protection and physical protection as your products make their way through the mail system. Available in any size, including these standard sizes:

- 6" x 6" x 6"
- 8" x 8" x 8"
- 10" x 10" x 10"
- 11" x 8.5" x 5.5"
- 12" x 10" x 9"



### Mailers and Pouches

CoolPAC mailers are ideal for shipping items that do not need a box for extra protection. When a gel pack is included, the bubble-lined mailer offers just the right amount of protection and insulation. Available in any size, including these standard sizes:

- 8" x 11"
- 11" x 15"
- 12" x 17"
- 15" x 17"
- 22" x 18"



## CUSTOM PRODUCTS

### Roll Stock

CoolPAC reflective roll stock is ideal for wrapping pallets, lining boxes (A/B liners) and wrapping larger, perishable items. Roll stock allows you to customize shipments that vary in size. Sizes range from 12" - 48" wide, with roll lengths up to 750 feet long.



### Pallet Covers

CoolPAC pallet covers are ideal for wrapping larger items, and are customizable to protect shipments that vary in size. Suggested industry pallet cover sizes:

- 48" x 42" x 48"
- 48" x 42" x 60"
- 48" x 42" x 72"

