



## REFRIGERATED SHIPMENT PACKING RECOMMENDATIONS

- For packaging designs using Gel Ice Packs, freeze the packs thoroughly. Individual packs should be placed in a freezer at least 48 hours ahead of shipping. Cases should be placed in a freezer at least seven (7) days ahead of shipping. Pallets of gel ice packs should be placed in freezer storage at least thirty (30) days ahead of shipping. Note: freezer temperature will affect refrigerant performance.
- Condition (refrigerate/freeze), as practical, the packaging components.
- Condition (cool) product(s) to the lowest temperature possible without compromising product(s) quality.
- Assemble the packaging components as close to the packing time as possible.
- Place product(s) inside the insulated shipping container. For moisture-sensitive products, place product(s) in a lightweight poly bag.
- Place refrigerants inside the insulated container. For most applications, the best location is on top of product with the next best location being the sides. Placing frozen gel ice packs under product(s) is typically least effective. However, consideration should be given to the ability of the product(s) to withstand the weight of the refrigerant.
- Use void fill (bubble, paper, poly peanuts, etc.) to fill open area and minimize air space.
- For packaging designs using a poly liner, close and securely seal the liner.
- Close the insulated container and seal all edges/seams of the outer carton to minimize air flow.
- For shipments held for a considerable time ahead of pick-up by the shipping company, return the shipment to a refrigerated environment until the shipping company arrives for pick-up.