

TEMPRECISSION INTERNATIONAL

13 x 11 x 8" Small Insulated Passive Shipping Container with Chocolate Gift Boxes – TI Small

Objective:

Test Small Insulated Passive Shipping Container against ISTA Summer and Winter temperature profiles using ThermaBrick® Refrigerant Bricks as the primary refrigerant.

Corrugated box dimensions (exterior dimensions): 13 x 11 x 8 in (L x W x H)

Insulation: Temprecession International 1.5in PET liner

Chocolate Gift Box Dimensions: 2x, 7.6 x 6.65 x 1.35in (L x W x H)

Payload (Chocolate + Gift box): 2x (16pcs), 0.640 Kg (1.41 lb.), preconditioned at 4 °C (39.2°F)

Refrigerant: ThermaBrick® 3.26 Kg (7.19 lbs.),

Summer Qty: 2-Side (4 ea.): 9.5 x 7.5 x 0.75" preconditioned at -17°C (1.4°F)

Winter Qty: 2-Side (2 ea.): 9.5 x 7.5 x 0.75" preconditioned at -17°C (1.4°F)

Total summer weight shipper with payload: 4.78 Kg (10.56 lbs.)

Total winter weight shipper with payload: 3.15 Kg (6.94 lbs.)

ISTA Summer Profile:

Time to reach 18.3 °C (65 °F) payload at the interior of the shipper box: 54:30 hrs.

Results: **PASS**

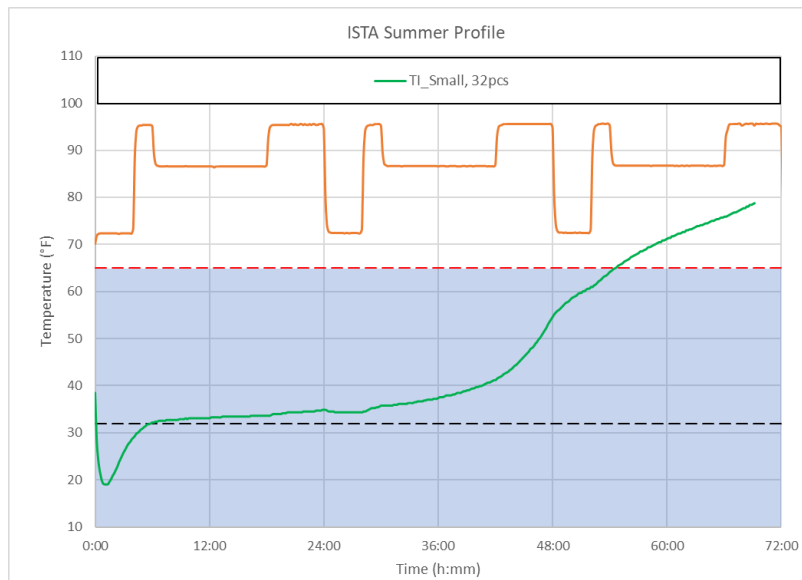


Figure 1. 13 x 11 x 8" Small Insulated Passive Shipping Container under ISTA summer temperature profile, using ThermaBrick® Refrigerant Bricks as a refrigerant.

ISTA Winter Profile:

Time to reach 18.3 °C (65 °F) payload at the interior of shipper box > 72-hours

Results: **PASS**

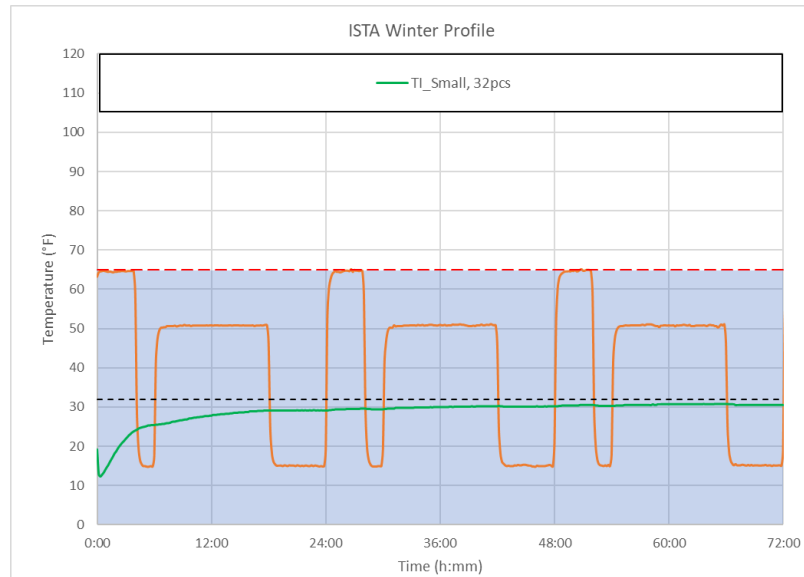


Figure 2. 13 x 11 x 8" Small Insulated Passive Shipping Container under ISTA winter temperature profile, using ThermaBrick® Refrigerant Bricks as refrigerant.

Packout Pictures:

