

TEMPRECISSION INTERNATIONAL

Test 11.875 x 10.75 x 11" FedEx® Flat Rate Insulated Passive Shipping Container with Chocolate Gift Boxes

Objective:

Test FedEx® Flat Rate Insulated Passive Shipping Container under ISTA Summer and Winter temperature profile using ThermaBrick® Refrigerant Bricks as primary refrigerant.

Corrugated box dimensions (exterior dimensions): 11.875 x 10.75 x 11 in (L x W x H)

Temprecession International 1.5in PET liner

Chocolate Gift Box Dimensions: 2x, 9.875 x 6.75 x 1.5625 in (L x W x H)

Payload (Chocolate + Gift box): 2x (38pcs), 0.845 Kg (1.86 lbs.), preconditioned at 4 °C (39.2°F)

Refrigerant: ThermaBrick® 3.91 Kg (8.62 lbs.),

Summer Qty: 2-Side (4 ea.): 8.375 x 7.5 x 1 in preconditioned at -17°C (1.4°F)

Winter Qty: 2-Side (2 ea.): 8.375 x 7.5 x 1 in preconditioned at -17°C (1.4°F)

Total summer weight shipper with payload: 5.80 Kg (12.78 lbs.)

Total winter weight shipper with payload: 3.85 Kg (8.49 lbs.)

ISTA Summer Profile:

Time to reach 18.3 °C (65 °F) payload at the interior of the shipper box: 59:10 hrs.

Results: **PASS**

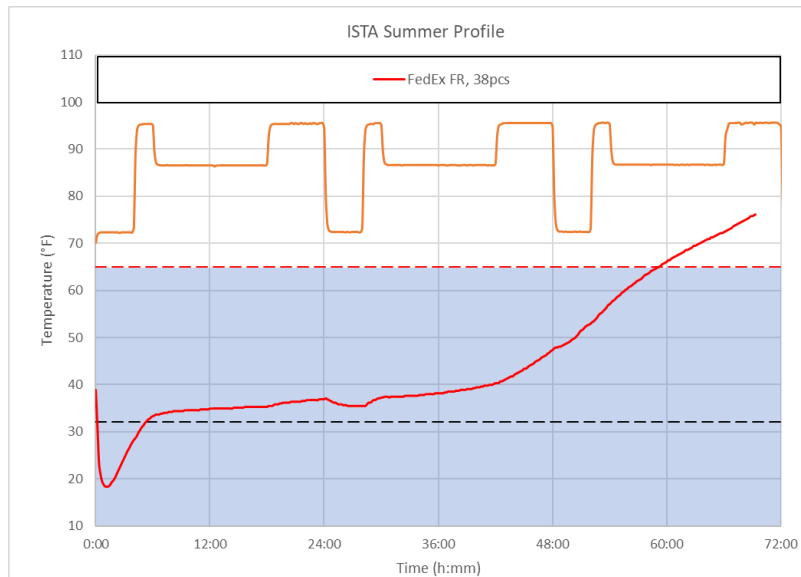


Figure 1. 11.875 x 10.75 x 11" FedEx® Flat Rate Insulated Passive Shipping Container under ISTA summer temperature profile, using ThermaBrick® Refrigerant Bricks as a refrigerant.

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ISTA Winter Profile:

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

Results: **PASS**

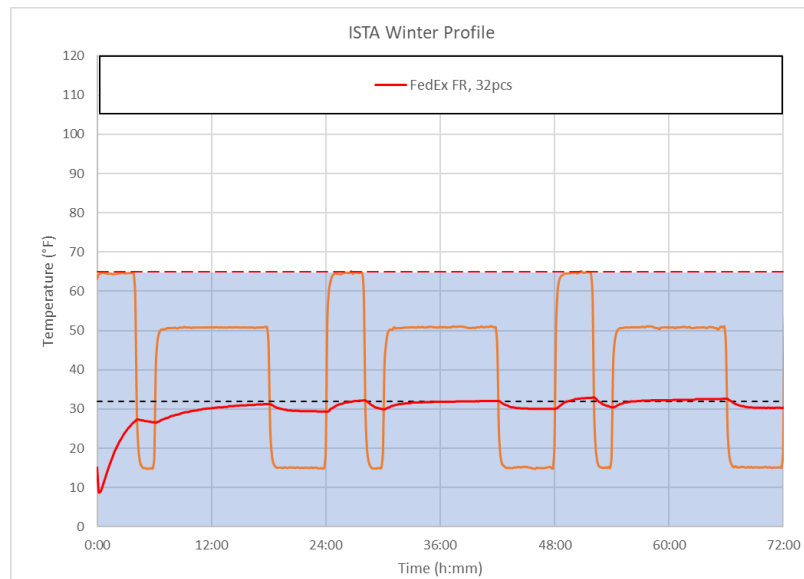


Figure 2. 11.875 x 10.75 x 11" FedEx® Flat Rate Insulated Passive Shipping Container under ISTA winter temperature profile, using ThermoBrick® Refrigerant Bricks as a refrigerant.

Packout Pictures:

