



The Polar[®] Insulated Container System for Distribution

Experience The "POLAR" Difference



 **BONAR PLASTICS**
MATERIAL HANDLING SOLUTIONS

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Protect Profits. Freeze Shipping Costs.

- Ideal for:
- Food Service
 - Grocery Wholesale
 - Dairy Distribution
 - Pharmaceutical



| PB02 | | |
|----------------------|---------|--------|
| DIMENSIONS (INCHES) | OUTSIDE | INSIDE |
| Length | 29 | 21 |
| Width | 20 | 11 |
| Height | 23 | 14 |
| Weight of Box | Kg | 20.4 |
| | Lbs | 45 |
| Cubic Ft | 2 | |
| 3 Gal Ice Cream Tubs | 2 | |



| PB11 DXX | | |
|----------------------|---------|--------|
| DIMENSIONS (INCHES) | OUTSIDE | INSIDE |
| Length | 43 | 37.75 |
| Width | 27.5 | 22 |
| Height | 39.5 | 24.75 |
| Weight of Box | Kg | 47 |
| | Lbs | 148 |
| Cubic Feet | 11 | |
| 3 Gal Ice Cream Tubs | 12 | |



| PB05 | | |
|----------------------|---------|--------|
| DIMENSIONS (INCHES) | OUTSIDE | INSIDE |
| Length | 30 | 24 |
| Width | 18 | 12 |
| Height | 37 | 29 |
| Weight of Box | Kg | 26.3 |
| | Lbs | 58 |
| Cubic Ft | 5 | |
| 3 Gal Ice Cream Tubs | 4 | |



| PB11 | | |
|-----------------------|---------|--------|
| DIMENSIONS (INCHES) | OUTSIDE | INSIDE |
| Length | 42 | 33 |
| Width | 28 | 20 |
| Height | 33 | 27 |
| Weight of Box | Kg | 50 |
| | Lbs | 110 |
| Cubic Feet | 11 | |
| 3 Gal. Ice Cream Tubs | 12 | |



PB11HLC

| PB11HL | | |
|----------------------|-----------------|--------|
| DIMENSIONS (INCHES) | OUTSIDE | INSIDE |
| Length | 42 | 33 |
| Width | 28 | 20 |
| Height | 36 (39 for HLC) | 27 |
| Weight of Box | Kg | 49.9 |
| | Lbs | 110 |
| Cubic Ft | 11 | |
| 3 Gal Ice Cream Tubs | 12 | |

Also available with casters.



| PB24 | | |
|----------------------|---------|--------|
| DIMENSIONS (INCHES) | OUTSIDE | INSIDE |
| Length | 48 | 43 |
| Width | 43 | 36 |
| Height | 40 | 26 |
| Weight of Box | Kg | 86.2 |
| | Lbs | 190 |
| Cubic Ft | 27 | |
| 3 Gal Ice Cream Tubs | 24 | |



| PB27 | | |
|----------------------|---------|--------|
| DIMENSIONS (INCHES) | OUTSIDE | INSIDE |
| Length | 47 | 41 |
| Width | 43 | 36 |
| Height | 42 | 30 |
| Weight of Box | Kg | 95.7 |
| | Lbs | 211 |
| Cubic Ft | 27 | |
| 3 Gal Ice Cream Tubs | 30 | |



| PB30 | | |
|----------------------|---------|--------|
| DIMENSIONS (INCHES) | OUTSIDE | INSIDE |
| Length | 49 | 42 |
| Width | 43 | 36 |
| Height | 43 | 32 |
| Weight of Box | Kg | 99.8 |
| | Lbs | 220 |
| Cubic Ft | 30 | |
| 3 Gal Ice Cream Tubs | 36 | |



| PB35 | | |
|----------------------|---------|--------|
| DIMENSIONS (INCHES) | OUTSIDE | INSIDE |
| Length | 48 | 44 |
| Width | 43 | 39 |
| Height | 47 | 38 |
| Weight of Box | Kg | 102 |
| | Lbs | 226 |
| Cubic Ft | 35 | |
| 3 Gal Ice Cream Tubs | 36 | |

*Volumes for each container are measured using tap water and the measurements taken 1" from rim of box.
NOTE: Unless specified, all dimensions of boxes do not include lid. Dimensions and weights are +/- 2%.

Upright Styles

- Reduce “distribution costs” with efficient “LTL” combo shipments
- Transport subzero, frozen or perishable products on refrigerated or dry trailers
- Ergonomically designed to be “user friendly” during loading and unloading



Dry Ice Bunker



Thermometer



Velcro® Feature



| PB35 MINI | | |
|----------------------|---------|--------|
| DIMENSIONS (INCHES) | OUTSIDE | INSIDE |
| Length | 48 | 36 |
| Width | 43 | 40 |
| Height | 48 | 36 |
| Weight of Box | Kg | 99.8 |
| | Lbs | 220 |
| Cubic Ft | 35 | |
| 3 Gal Ice Cream Tubs | 36 | |



Optional steel leg base available.
Optional shelf available.



Shown with optional shelves and ice bunker.
Optional hard door available.



| PB25 | | |
|----------------------|---------|--------|
| DIMENSIONS (INCHES) | OUTSIDE | INSIDE |
| Depth | 27 | 21 |
| Width | 39 | 34 |
| Height | 73 | 56 |
| Weight of Box | Kg | 90.7 |
| | Lbs | 200 |
| Cubic Ft | 25 | |
| 3 Gal Ice Cream Tubs | 30 | |

| PB55 | | |
|----------------------|---------|--------|
| DIMENSIONS (INCHES) | OUTSIDE | INSIDE |
| Depth | 48 | 43 |
| Width | 40 | 33 |
| Height | 79 | 66 |
| Weight of Box | Kg | 150.6 |
| | Lbs | 332 |
| Cubic Ft | 55 | |
| 3 Gal Ice Cream Tubs | 72 | |

| PB57 | | |
|----------------------|---------|--------|
| DIMENSIONS (INCHES) | OUTSIDE | INSIDE |
| Depth | 40 | 34 |
| Width | 48 | 41 |
| Height | 79 | 66 |
| Weight of Box | Kg | 152 |
| | Lbs | 335 |
| Cubic Ft | 57 | |
| 3 Gal Ice Cream Tubs | 72 | |

NOTE: Unless specified, all dimensions of boxes do not include lid. Dimensions and weights are +/- 2%.

Ice Cream Freeze – Retention Test Results

Container put on non-insulated, non-refrigerated trailer in hot sun at 11:00 am, ambient temperature 88° Fahrenheit.

Note: Unit pre-cooled in -18° freezer.



PB30

| Ice Cream Test – PB30 | | | | |
|-----------------------|----------------|--------------|--------------------|------------------------|
| TIME | ELAPSED TIME | AMBIENT TEMP | TEMP INT CONTAINER | ICE CREAM PRODUCT COMP |
| 11:00 am | Start | 88° | -18° | Hard |
| 5:00 pm | 6 hours | 84° | -8° | Hard |
| 5:45 pm | 6 hrs. 45 min. | 85° | -8° | Hard |
| 6:30 pm | 7 hrs. 30 min. | 80° | -5° | Firm |
| 8:00 pm | 9 hours | 70° | 4° | Firm |
| 9:00 pm | 10 hours | 70° | -4° | Firm |
| 10:00 pm | 11 hours | 70° | -4° | Firm |
| 11:00 pm | 12 hours | 70° | -2° | Firm |
| 12:00 am | 13 hours | 68° | 0° | Firm |

Test Specifications:
 Interior Capacity Size: 30 Cubic Ft
 Dry Ice Use: None
 Product Used: Ice Cream
 Capacity: Full

Upright Container Testing – PB55

| ELAPSED TIME | PROBE # | PRODUCT TEMP (°F) |
|--------------|---------|-------------------|
| 6 hours | 1 | -31.9° |
| | 2 | -5.0° |
| | 3 | -23.7° |
| | 4 | -34.1° |
| 12 hours | 1 | -16.1° |
| | 2 | -3.1° |
| | 3 | -12.9° |
| | 4 | -12.9° |
| 18 hours | 1 | -3.1° |
| | 2 | -4.8° |
| | 3 | -0.4° |
| | 4 | 8.4° |
| 24 hours | 1 | 8.0° |
| | 2 | -1.2° |
| | 3 | 17.7° |
| | 4 | 30.9° |



PB55

Frozen Foods Used for Test
 CO2 bunker charged with approximately 80 lbs. of snow
 Probe 1: Product temperature at bottom
 Probe 2: Product temperature at 36"
 Probe 3: Product temperature at 48"
 Probe 4: Product temperature at top air space

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6940 “O” Street, Suite 100 • Lincoln, NE • 68510 • Customer Service: 800-768-6246 • Fax: 402-465-1220
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SINGLE WALL CONTAINERS



TOTES



IBC



HOPPERS



BAG IN THE BOX