



OVERNITE INSULATED CONTAINERS  
PAGE 18



PRE-VALIDATED CONTAINERS



DRY ICE INSULATED CONTAINERS  
PAGE 2



COLD TEMP TAPE  
PAGE 64

# ***Polar Tech***

INDUSTRIES, INC.  
TEMPERATURE SAFE SHIPPING &  
PROTECTIVE PACKAGING PRODUCTS

**ANYTIME, ANYWHERE**  
**SUPERIOR PERFORMANCE**  
**IN ALL TYPES OF CONDITIONS**



INSULATED CONTAINERS  
PAGE 13



**1-800-ICE-BRIX**

[www.polar-tech.com](http://www.polar-tech.com)

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**MORE NEW SIZES**



# DRY ICE INSULATED CONTAINERS



- Dry ice, wet ice or refrigerant storage
- Transfer ice from source to work areas
- Transport low temp items from lab to lab
- On site collection carriers
- Dry ice delivery and storage systems
- Insulated pads hold content temperatures while in use

Foam insulated storage chests are lightweight, molded EPS foam containers with tight fitting lids. Comes assembled in a sturdy lb. white corrugated box. Heavy-duty dolly available for some models.

**NEW**  
**NEW**

PART #	INSIDE DIMENSIONS L x W x D	OUTSIDE DIMENSIONS L x W x D	THICKNESS	DRY ICE CAPACITY	TOTAL VOL (CU. FT.)
TC229	12" x 10" x 9"	15 1/4" x 13 1/4" x 12 1/4"	1 1/2"	30+ lbs.	.06
TC230	12" x 12" x 11 1/2"	16" x 16" x 15 1/2"	2"	50+ lbs.	1.0
TC249	16 3/4" x 16 3/4" x 15"	21" x 21" x 19 1/2"	2"	130+ lbs.	2.5
TC247	17" x 10" x 12"	20" x 13" x 15"	1 1/2"	56+ lbs.	1.2
TC251	17" x 10" x 17"	20" x 13" x 20"	1 1/2"	85+ lbs.	1.7
TC296	23" x 14" x 23"	28 1/2" x 20" x 28 1/2"	2 1/2"	225+ lbs.	4.3



# DRY ICE HANDLING ACCESSORIES

## INSULATED DRY ICE COVERS

These insulated dry ice pads allows container and content to maintain temperatures during frequent use. Flexible insulated pad allow easy use of container and maintaining temperatures of contents during use, without excessive sublimation.

Insulated dry ice pads come with industrial grade woven poly polypropylene handles and 2" x 2" clear pocket.

### FOR CONTAINERS ON PAGE 2

PART #	DIMENSION	FITS CHEST
1561	17" x 10"	TC247 & TC251
1440	16 3/4" x 16 3/4"	TC249
1430	23" x 14"	TC296

### FOR TRANSPORTS ON PAGE 5

PART #	DIMENSION	FITS CHEST
1560	21" x 11"	TC02
1562	24" x 12"	TC05
1563	33" x 20"	TC11
1564	42" x 36"	TC30



## INSULATED DRY ICE COVERS

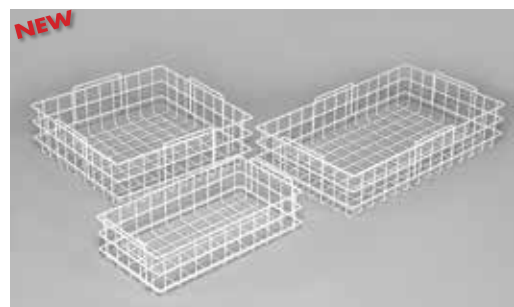


## STACKING WIRE BASKETS

Special secure stack feature allows safe stacking and organizing bottles, vials and bags from insulated chest to freezers or work areas. Constructed of heavy welded steel wire and thick white powder coat.

BASKET PART #	DIMENSIONS	FITS CHEST
1515	15" x 15" x 4 3/4"	TC249
1516	16" x 9" x 4 3/4"	TC247 & TC251
1517	22" x 13" x 4 3/4"	TC296

## STACKING WIRE BASKETS



## ALUMINUM DOLLIES

Transfer heavy/dry ice/bulk product with 4" diameter, 4 swivel caster, with lock brake dolly system.

DOLLY PART #	FITS CHEST
TCD249	TC249
TCD296	TC296

## ALUMINUM DOLLIES



## STRAPS

Industrial grade woven polypropylene strap, secure lids during handling and transport. Easy handling in field tests, transport, or inter-department.

STRAP PART #	FITS CHEST
1200	TC229
1202	TC230 & TC240
1201	TC251
1204	RTC296
1203	261C

## STRAPS



# GLOBAL EXTREME™ SHIPPERS/TRANSPORT CARRIERS

OVERNIGHT TO OVER 14 DAYS



**GLOBAL EXTREME**  
IDEAL FOR INTERNATIONAL SHIPPING



## Global Extreme™ Series

**GE6 KIT:** 3" wall thickness, I.D. 16" x 9" x 13" O.D. 22 1/2" x 15 1/8" x 19 1/8"

Foam unit assembled in a 32 ECT white corrugated box and includes

- Gusseted poly bag, top & bottom absorbent material
- 3 RB-62 (Re-Freezer-R-Brix® 9" x 4" x 3")
- 1 ICE-BRIX® "DO IT BIG" Saddle Bag Refrigerant wrap 12" x 32".  
Blanket your product with a curtain of cold™.

**GE7 KIT:** 2 1/2" wall thickness, I.D. 23 1/8" x 14 1/8" x 23 1/8"  
O.D. 28 1/4" x 19 1/8" x 28 1/8"

Foam unit assembled in a 32 ECT white corrugated box and includes

- Gusseted poly bag, top & bottom absorbent material
- 3 RB-62 (Re-Freezer-R-Brix® 9" x 4" x 3")
- 2 RB-64 (Re-Freezer-R-Brix® 11 1/4" x 9 1/4" x 1")
- 1 ICE-BRIX® "DO IT BIG" Saddle Bag Refrigerant wrap 12" x 62".  
Blanket your product with a curtain of cold™.

## THERMO CHILL® NYLON TRANSPORT CARRIERS



Ideal for the transport of temperature sensitive serums, tissue samples, lab specimens, blood field samples and medical supplies.

- Thick wall 1 1/2" EPS foam insulation
- Light weight
- Optimum temperature retention
- 3 styles available: Nylon Cover, Foam with Box and Foam Only
- 3 sizes available

\*Optional carry straps – order separately

PART #	COVER STYLE	STRAP #	INSIDE DIMENSIONS L x W x D	OUTSIDE DIMENSIONS L x W x D	THICKNESS
229N	Nylon cover	N/A included	12" x 10" x 9"	15" x 13" x 12"	1 1/2"
229C	Foam w box	* 1200	12" x 10" x 9"	15" x 13" x 12"	1 1/2"
229F	Foam only	* 1200	12" x 10" x 9"	15" x 13" x 12"	1 1/2"
T43N	Nylon cover	N/A included	13" x 13" x 12 1/2"	16" x 16" x 15 1/2"	1 1/2"
T43C	Foam w box	* 1202	13" x 13" x 12 1/2"	16" x 16" x 15 1/2"	1 1/2"
T43F	Foam only	* 1202	13" x 13" x 12 1/2"	16" x 16" x 15 1/2"	1 1/2"
T51N	Nylon cover	N/A included	17" x 10" x 17"	20" x 13" x 20"	1 1/2"
T51C	Foam w box	* 1201	17" x 10" x 17"	20" x 13" x 20"	1 1/2"
T51F	Foam only	* 1201	17" x 10" x 17"	20" x 13" x 20"	1 1/2"

Strap # 1203 also fits J50 foam or foam with box.

# TRANSPORT/STORAGE CHESTS

## THERMO CHILL® DURABLE “INDESTRUCTIBLE” TRANSPORT



Thermo Chill® indestructible transporters maintain critical temperatures for your perishable materials. These durable transports are tough, double walled and built to last. Made using special melt-blend, high impact plastic, that is filled with polyurethane foam. Each container resists cold impacts and provides longer cold retention. Unlike other products, these transporters do not contain any fiberglass insulation and are, therefore, preferred by laboratories.

All sizes and styles have superior insulation for lowest sublimation rates. The tight fitting lids and durable construction maintain temperatures across a wide range of ambient temperatures. These containers have a square interior for maximum space utilization and a smooth interior that is easy to clean.

### INSULATED DRY ICE PADS AVAILABLE, SEE PAGE 3 FOR MORE INFORMATION.

These insulated dry ice pads allows container and content to maintain temperatures during frequent use. Flexible insulated pad allow easy use of container and maintaining temperatures of contents during use, without excessive sublimation.



PART #	INSIDE DIMENSIONS L x W x D	OUTSIDE DIMENSIONS L x W x D	CUBIC FEET	WEIGHT	DRY ICE PELLETS	NO. OF BLOCKS*
TC02	21" x 11" x 14"	30" x 21" x 24"	2	45 lbs.	125 lbs.	2 blocks
TC05	24" x 12" x 29"	30" x 18" x 37"	5	58 lbs.	305 lbs.	4 blocks
TC11HLC**	33" x 20" x 27"	42" x 28" x 39"	11	110 lbx.	600 lbx.	12 blocks
TC11HL	33" x 21" x 27"	42" x 28" x 36"	11	110 lbx.	600 lbx.	12 blocks
TC11	33" x 20" x 27"	42" x 28" x 40"	11	130 lbs.	600 lbs.	12 blocks
TC30	42" x 36" x 32"	49" x 43" x 43"	30	220 lbs.	1800 lbs.	36 blocks

\* Blocks weighing approximately 56-60 lbs. each

\*\* With casters

# TRANSPORT/STORAGE CHESTS

## SAFELY TRANSPORT FROZEN AND REFRIGERATED PHARMACEUTICALS



Thermo Chill’s upright chests assure that pharmaceuticals, biological and perishable products are safely transported at subzero, frozen or refrigerated temperatures.

PART #	INSIDE DIMENSIONS L x W x D	OUTSIDE DIMENSIONS L x W x D	CUBIC FEET	WEIGHT
TC25*	34" x 21" x 57"	39" x 26" x 75"	25	200 lbs.
TC55	33" x 43" x 65"	40" x 48" x 78"	55	332 lbs.
TC57	41" x 34" x 67"	46" x 40" x 79"	57	335 lbs.

\* Caster Wheel Model.

**FEATURES:**

- **TC25** narrow upright model with casters – Ideal for dry ice dispensing and movement
- **TC55** With shelves – Organize multiple product items of packaged perishables
- **TC57** Dry ice/cold pack bunker – holds at least 80 lbs. of dry ice
- Soft sided insulated door – allows fast access to products



# REFRIGERATORS AND FREEZERS

## COMMERCIAL REFRIGERATORS AND FREEZERS

**25% off MSRP**



### LARGE-CAPACITY UPRIGHT REFRIGERATORS AND FREEZERS FEATURE

- Heavy duty, locking casters
- Interior light
- Heavy duty cooling system
- Use and care guide
- Warranty

Compliance: NSF certified  
Power: 120V/5A, 72" cord, NEMA5-15P

### NSF CERTIFIED AND UL APPROVED

Commercial refrigerators and freezers are more durable and reliable than household appliances. NSF-certified for food service and laboratory applications, as well as heavy duty use in packing and shipping departments.

All NSF units have stainless steel cabinets and doors. Larger compressors ensure faster recovery times. Condensers and motors are designed for commercial use. Interiors are sealed and easy to clean.

<b>NEW</b> MODEL #	DESCRIPTION	DOOR SWING	TOTAL VOL (CU. FT.)	TEMPERATURE RANGE (°F) (°C)	EXTERIOR DIMENSION L x W x D	SHIPPING WEIGHT
KGM220RHY	Refrigerator Glass Door	Right	19.7	-- --	32" x 31" x 74 <sup>3</sup> / <sub>4</sub> "	309 Lbs.
KFS220RHY	Freezer SS Door w Lock	Right	19.4	0°F to -15°F -18°C to -27°C	32" x 31" x 74 <sup>3</sup> / <sub>4</sub> "	273 Lbs.

Larger units available upon request.



# COMMERCIAL CHEST FREEZERS

## COMMERCIAL - CHEST FREEZERS

25% off MSRP



### NSF CERTIFIED FOR FOOD SERVICE AND LABORATORY APPLICATIONS.

Chest style freezers are constructed of durable white painted heavy sheet metal. Heavy duty cooling system meets NSF/ANSI 7 standards. Sealed cabinet interior allows easy cleaning. The large commercial compressor ensures faster temperature recovery times.

<b>NEW</b> MODEL #	DESCRIPTION	TOTAL VOL (CU. FT.)	TEMPERATURE RANGE (°F) (°C)	EXTERIOR DIMENSION L x W x H	SHIPPING WEIGHT
KCS070GW	Freezer/chest	7.2	0°F to -18°F -18°C to -29°C	35" x 23¼" x 36⅝"	128 Lbs.
KCS130GW	Freezer/chest	12.8	0°F to -18°F -18°C to -29°C	42¾" x 29½" x 36¾"	159 Lbs.
KCS200GW	Freezer/chest	19.7	0°F to -18°F -18°C to -29°C	61¼" x 29½" x 36¾"	212 Lbs.

### ALL CHEST FREEZERS FEATURE

- NSF-certified
- UL approved
- Heavy-Duty casters
- Heavy-Duty wire basket
- Interior light system
- NSF-certified thermometer
- Defrost drain
- Commercial ENERGY STAR qualified
- Use and care guide
- Warranty

Compliance: NSF certified  
Power: 120V/5A, 72" cord, NEMA5-15P

## Premium Poly Bag Leakproof ICE-BRIX®

ICE-BRIX® contains a specially formulated leakproof, long lasting, viscous gel refrigerant made with non-toxic ingredients listed as FDA GRAS. Rated **"Best in all aspects"**.

ICE-BRIX® is the ultimate in refrigerant packs. Features include:

- Leakproof
- Economical
- Variety of sizes
- Custom imprinting
- Reusable



ICE-BRIX® premium poly bags are sealed in a heavy duty plastic pouch and keep perishable products at a constant and desirable temperature.

## ICE-BRIX® PREMIUM POLY BAG LEAKPROOF



POLY BAG	WEIGHT (OZ)	APPROX. DIMENSIONS L x W x THICKNESS (INCHES)	QUANTITY PER CASE
IB3	3 oz.	5" x 2 3/4" x 3/4"	192
IB6	6 oz.	6" x 4" x 3/4"	96
IB8	8 oz.	6 1/2" x 4" x 3/4"	72
IB10	10 oz.	8" x 6" x 1/2"	52
IB12	12 oz.	6" x 6" x 1"	48
IB16	16 oz.	6 1/4" x 6" x 1"	36
IB17	17 oz.	10 1/2" x 4" x 1"	36
IB20	20 oz.	8" x 8" x 3/4"	28
IB24	24 oz.	8" x 6" x 1 1/4"	24
IB31	32 oz.	8" x 8" x 1 1/2"	18
IB32	32 oz.	10" x 6" x 1 1/2"	18
IB38	38 oz.	14 1/4" x 6" x 1"	14
IB48	48 oz.	10 1/4" x 8" x 1 1/2"	12
IB64	64 oz.	11" x 8" x 2"	8

Moisture Safe film pouches reduce condensation during the humid months, products arrive dry.

## ICE-BRIX® MOISTURE SAFE



MOISTURE SAFE BAG	WEIGHT (OZ)	APPROX. DIMENSIONS L x W x THICKNESS (INCHES)	QUANTITY PER CASE
TP6/MS	6 oz.	6" x 4" x 3/4"	96
TP8/MS	8 oz.	6 1/2" x 4" x 3/4"	72
TP12/MS	12 oz.	6" x 6" x 1"	48
TP16/MS	16 oz.	6 1/4" x 6" x 1"	36
TP17/MS	17 oz.	10 1/2" x 4" x 1"	32
TP24/MS	24 oz.	8" x 6" x 1 1/4"	24
TP31/MS	32 oz.	8" x 8" x 1 1/2"	18
TP32/MS	32 oz.	10" x 6" x 1 1/2"	18
TP38/MS	38 oz.	14 1/4" x 6" x 1"	14
TP48/MS	48 oz.	10 1/4" x 8" x 1 1/2"	12
TP64/MS	64 oz.	11" x 8" x 2"	8

*Polar Tech Industries inventories all size refrigerants for your immediate shipment. Our large inventory allows us to respond quickly to your demands. We are your one-stop source for all your temperature packaging requirements.*

# ICE-BRIX® REFRIGERANT COLD PACKS

## ICE-BRIX® LOW TEMPERATURE

This product features eutectic formula gel. Available upon request only.



LOW TEMP BAG	WEIGHT (OZ)	APPROX. DIMENSIONS L x W x THICKNESS (INCHES)	QUANTITY PER CASE
XB8	8 oz.	6 1/2" x 4" x 3/4"	72
XB12	12 oz.	6" x 6" x 1"	48
XB16	16 oz.	6 1/4" x 6" x 1"	36
XB17	17 oz.	10 1/2" x 4" x 1"	32
XB24	24 oz.	8" x 6" x 1 1/4"	24
XB31	32 oz.	8" x 8" x 1 1/2"	18
XB32	32 oz.	10" x 6" x 1 1/2"	18
XB38	38 oz.	14 1/4" x 6" x 1"	14
XB48	48 oz.	10 1/4" x 8" x 1 1/2"	12
XB64	64 oz.	11" x 8" x 2"	8

## ICE-BRIX® BIODEGRADABLE

These are sealed in a biodegradable heavy duty plastic pouch and are, therefore, an Earth friendly way to keep perishable products at a constant and desirable temperature.



BIODEGRADABLE BAG	WEIGHT (OZ)	APPROX. DIMENSIONS L x W x THICKNESS (INCHES)	QUANTITY PER CASE
BD6	6 oz.	6" x 4" x 3/4"	96
BD8	8 oz.	6 1/2" x 4" x 3/4"	72
BD12	12 oz.	6" x 6" x 1"	48
BD16	16 oz.	6 1/4" x 6" x 1"	36
BD24	24 oz.	8" x 6" x 1 1/4"	24
BD32	32 oz.	10" x 6" x 1 1/2"	18

## BLACK ICE™ COLD PACK

These cold packs are made with a heavy duty plastic pouch and when properly used keep perishable products at a constant and desirable temperature. Economy Grade.



POLY BAG	WEIGHT (OZ)	APPROX. DIMENSIONS L x W x THICKNESS (INCHES)	QUANTITY PER CASE
BLK6	6 oz.	6" x 4" x 3/4"	96
BLK8	8 oz.	6 1/2" x 4" x 3/4"	72
BLK12	12 oz.	6" x 6" x 1"	48
BLK16	16 oz.	6 1/4" x 6" x 1"	36
BLK24	24 oz.	8" x 6" x 1 1/4"	24
BLK32	32 oz.	10" x 6" x 1 1/2"	18
BLK48	48 oz.	10 1/4" x 8" x 1 1/2"	12



CUSTOM  
IMPRINTS

## CUSTOM PRINT COLD PACKS

See page 12 for ICE-BRIX® Saddle Bag wraps.

Custom imprinting available on all films. Increase market exposure and promotional impact by using our ICE-BRIX® cold packs.

Your logo or design can be imprinted on these bags in red, green, blue or black. Low minimum runs and a small set-up charge required.

## THE REFRIGERATOR IN A BAG!

**RE-FREEZ-R-BRIX®** is a block of rigid foam that holds its shape frozen or thawed and is reusable. These refrigerants are non-toxic, sealed in a heavy plastic pouch, and are rated the best in foam refrigerants. Other products just don't compare.

- **Prevents thawing...** Keeps frozen products chilled for an extended period of time.
- **Protects against freezing...** When packaged in properly insulated containers, warmed RE-FREEZ-R-BRIX® release heat, keeping perishables from freezing.
- **Protects from warming...** Keeps perishables requiring a temperature range of 32°F to 60°F at a safe, uniform cool temperature for over 14 days.

**New 1" RE-FREEZ-R-BRIX sizes are blocks of rigid foam that maintains shape frozen or thawed and are reusable. They also allow for tight tolerances and layering in packaging.**

## COLD BRICKS



**NEW!**

**NEW!**

**NEW!**

**NEW!**

**NEW!**

**NEW!**

**NEW!**

**NEW!**

**NEW!**

PART #	OUNCES	LBS.	BRIX SIZE (INCHES)	QUANTITY PER CASE
RB7	7.5	0.50	4" x 2¼" x 1½"	48
RB8	7.5	0.50	4½" x 4" x ¾"	42
RB6	8.0	0.50	4½" x 3" x 1"	44
RB13	13.5	0.84	4½" x 5" x 1"	24
RB15	15.0	0.95	4½" x 4" x 1½"	24
RB16	16.0	1.00	7¾" x 4¼" x 1"	20
RB603	22.0	1.33	9" x 8" x ½"	16
RB24	24.0	1.50	9¼" x 4½" x 1"	14
RB25	25.0	1.56	7½" x 5¾" x 1"	12
RB28	28.0	1.75	7" x 5" x 1½"	12
RB30	31.0	1.90	9" x 4" x 1½"	12
RB402	40.0	2.50	8½" x 8" x 1"	8
RB40	40.0	2.50	11" x 6¼" x 1"	18
RB48	48.0	3.00	9½" x 8½" x 1"	8
RB60	64.0	4.00	9" x 8" x 1½"	6
RB62	64.0	4.00	9" x 4" x 3"	8
RB64	64.0	4.00	11¼" x 9¼" x 1"	12



# CURTAIN OF COLD®

## SADDLE BAGS



## COLD POCKETS™

TEST AND  
COMPARE



INSERT COLD PACKS OR DRY ICE INTO POCKETS

## SADDLE BAGS AND COLD POCKETS

Fully wrap and protect your perishables with a "curtain of cold®". Unless you completely cover your product, the only thing keeping your product cold... is the product itself.

- Ultimate in temperature uniform stability
- Refrigerant Saddle Bags control the entire stability process
- Maximum temperature sensitive protection for bulk shipping of refrigerated or frozen products even under extreme ambient conditions for up to 6 days.
- Reusable
- Recyclable

## ICE-BRIX® SADDLE BAG PALLET REFRIGERANTS

PART #	DESCRIPTION
SB24	12" x 144" 18 continuous packs, full length cold wrap or cut to desired length
SB10	8" x 34" 8 packs per length, in container cold wrap

## COLD POCKETS™ CREATE YOUR OWN CURTAIN OF COLD® WRAP, INSERT EITHER COLD PACKS, DRY ICE SLABS OR BOTH

PART #	DESCRIPTION
CP12	12" wide x 144" long 15 pockets per length

(Minimum 4 full wraps) 7 wraps will provide a full curtain of cold coverage for a pallet or bulk transport shipper. You can cut them to a length of your choice to surround your product and keep the cold in place during shipping. Use pallet rubber band part # 1301, 1401 or 1501 to hold the refrigerant against the product during shipping.

## NEW PRODUCTS

Fit your requirement & budget. Call our professionals for your needs.



COOL BARRIER  
BOX LINERS  
See page 25.



COOL STUFF™  
INSULATED MAILERS  
See page 24.

## How to choose an insulated container and properly package your product effectively.

There are many variables to be considered when choosing a container and refrigerant that will protect your product from the elements, and shipping mishaps.

**The three most important factors are insulation, refrigeration and protective packaging.** More than just providing thermal protection you must also provide protection for the handling your package receives during shipment.

**Refrigerants are the most important component of the perishable product package.** Refrigerants control and stabilize temperature. The general recommendation is to place refrigerants across the top and all four sides (or at least two sides). *Refrigerants are the lowest cost component of the package and the most important component for maintaining temperature.*

### CONTAINER THICKNESS

- $\frac{3}{4}$ " – 1" EPS foam molded insulated containers are recommended for Overnight™ – 2 day shippers.
- 1½" – 2" thick EPS foam molded insulated containers are recommended for 1 – 5 days transit.
- 2" – 3" thick EPS foam insulated containers are recommended for 2 – 8 or more days in transit.

### CHOOSING AND PACKAGING THE INSULATED CONTAINER

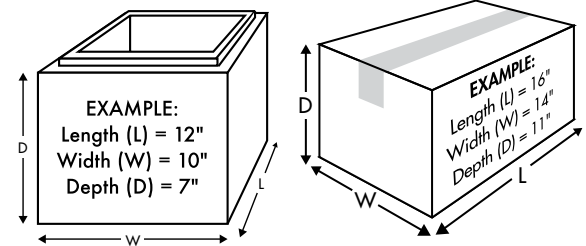
1. Arrange the product to be packaged, measure the dimensions (length x width x depth).
2. Add 1½" to the depth dimension for top refrigerant placement across top. Add 3" to width dimensions and 3" to the length dimensions for a 1½" space on either side of length and width to totally surround the perishable product with refrigerant.
3. Place the perishable products and refrigerants into the insulated container. Surround the product with refrigerant, for best results.
4. Fill all void areas (empty space) of the container with dunnage or a solid type packing material. This maximizes the insulating performance, and prevents products from shifting.
5. Close the insulated container, label and ship.



T21C



T19F



## POLAR EXPRESS™ 2-3 DAY 1" INSULATED CONTAINERS

Perfect fit between our standard "Thermo Chill®" and "Overnite™" series containers. Structural 1"EPS foam is more rigid than  $\frac{3}{4}$ " ON series. The 2-Day Polar Express™ insulated containers are durable for 2-3 day transit.

FOAM ONLY	FOAM/CARTON	INSIDE DIMENSIONS L x W x D (INCHES)	WALL THICKNESS
PX06F	PX06C	6" x 4½" x 6½"	1"
PX314F	---	9" x 9" x 3½"	1¼"
PX323F	PX323C	12" x 8" x 6½"	1"
PX325F	PX325C	12¾" x 12¾" x 10½"	1"
PX347F	PX347C	13¼" x 13¼" x 13"	1"
PX343F	PX343C	15" x 9¼" x 7½"	1"
PX344F	PX344C	15" x 9½" x 4½"	1"
PX346F	---	15¾" x 9¾" x 9½"	1½"
PX345F	PX345C	15½" x 15½" x 12½"	1"
PX351F	---	16" x 10" x 6¾"	1½"
PX356F	PX356C	17" x 12¾" x 6½"	1"
PX376F	PX376C	21½" x 16½" x 15½"	1"

## POLAR EXPRESS™ 2-3 DAY INSULATED CONTAINERS



# INSULATED FOAM SHIPPERS (1-5 DAYS)



Our insulated foam containers are manufactured with the highest degree of quality and integrity. They are excellent shipping containers for everything from Biotechnology, Genetic Engineering, Organ Procurement, Diagnostic Testing to Pharmaceutical Distribution. Additional products include: fine chemicals, reagents, insulin, lab cultures, blood, tropical sea life and lab testing applications.

Any product that is temperature sensitive can be safely shipped in our Thermo Chill® Insulated containers.

Thermo Chill® containers are very economical because they are lightweight, reusable and recyclable. They are made in two pieces: a tight fitting lid and a seamless molded body.

Polar Tech Industries stocks most sizes for your immediate shipment. Our large inventory allows us to respond quickly to your quantity demands.

## SMALL INSULATED CONTAINERS

FOAM ONLY	FOAM/CARTON	INSIDE DIMENSIONS L x W x D (INCHES)	OUTSIDE DIMENSIONS L x W x D (INCHES)	WALL THICKNESS
201F	201C	6" x 4 1/2" x 3"	8" x 6 1/2" x 5"	1"
200F	200C	6" x 4 1/2" x 5 1/4"	8" x 6 1/2" x 7 1/4"	1"
206F	206C	6" x 4 1/2" x 6 1/4"	8" x 6 1/2" x 8 1/4"	1"
202F	202C	6" x 5" x 4 1/2"	8 1/2" x 7 1/2" x 7"	1 1/4"
205F	205C	6" x 5" x 6 1/2"	8 1/2" x 7 1/2" x 9"	1 1/4"
208F	208C	6" x 5 3/4" x 7 3/4"	9 1/2" x 9 1/2" x 7"	2 1/4"
211F	211C	6 1/2" dia. x 4 1/4"	9" x 9" x 6 1/2"	1 1/2"
204F	204C	8" x 6" x 4 1/4"	11" x 9" x 7 1/2"	1 1/2"
207F	207C	8" x 6" x 7"	11" x 9" x 10"	1 1/2"
209F	209C	8" x 6" x 9"	11" x 9" x 12"	1 1/2"
212F	212C	8" x 6" x 12"	11" x 9" x 15"	1 1/2"
213F	213C	8" x 6" x 15"	11" x 9" x 18"	1 1/2"
215F	215C	9" x 8" x 6 1/2"	11 1/2" x 10 1/2" x 9"	1 1/4"
221F	221C	9" x 8" x 11"	11 1/2" x 10 1/2" x 13 1/2"	1 1/4"
214F	214C	9 1/2" x 9 1/2" x 7"	12" x 12" x 9 1/2"	1 1/4"
216F	216C	10 3/8" dia. x 4"	12 7/8" x 12 7/8" x 6 1/2"	1 1/4"
217F	217C	10 3/8" x 10 3/8" x 4"	12 7/8" x 12 7/8" x 6 1/2"	1 1/4"
218F	218C	10 3/8" x 10 3/8" x 7 1/4"	12 7/8" x 12 7/8" x 9 3/4"	1 1/4"
219F	219C	10 3/8" x 10 3/8" x 11"	12 3/4" x 12 3/4" x 13 1/2"	1 1/4"
220F	220C	10 1/2" x 8 1/4" x 9 1/4"	13 1/2" x 11 1/4" x 12 1/4"	1 1/2"
228F	228C	10 5/8" x 8 3/8" x 8 3/8"	13 1/2" x 11 1/2" x 11 1/2"	1 1/4"
237F	237C	10 5/8" x 8 3/8" x 13 5/8"	13 1/2" x 11 1/2" x 16 1/2"	1 1/4"

# INSULATED FOAM SHIPPERS (1-5 DAYS)



## MEDIUM INSULATED CONTAINERS

FOAM ONLY	FOAM/CARTON	INSIDE DIMENSIONS L x W x D (INCHES)	OUTSIDE DIMENSIONS L x W x D (INCHES)	WALL THICKNESS
225F	225C	12" x 10" x 5"	15 <sup>3</sup> / <sub>8</sub> " x 13 <sup>7</sup> / <sub>16</sub> " x 8 <sup>1</sup> / <sub>8</sub> "	1 <sup>1</sup> / <sub>2</sub> "
227F	227C	12" x 10" x 7"	15 <sup>3</sup> / <sub>8</sub> " x 13 <sup>7</sup> / <sub>16</sub> " x 10 <sup>1</sup> / <sub>8</sub> "	1 <sup>1</sup> / <sub>2</sub> "
229F	229C	12" x 10" x 9"	15" x 13" x 12"	1 <sup>1</sup> / <sub>2</sub> "
231F	231C	12" x 10" x 15"	15" x 13" x 18"	1 <sup>1</sup> / <sub>2</sub> "
230F	230C	12" x 12" x 11 <sup>1</sup> / <sub>2</sub> "	16" x 16" x 15 <sup>1</sup> / <sub>2</sub> "	2"
NEW 273F	273C	12 <sup>1</sup> / <sub>4</sub> " x 12 <sup>1</sup> / <sub>4</sub> " x 12"	15 <sup>1</sup> / <sub>4</sub> " x 15 <sup>1</sup> / <sub>4</sub> " x 15"	1 <sup>1</sup> / <sub>2</sub> "
232F	232C	12 <sup>3</sup> / <sub>8</sub> " x 10 <sup>1</sup> / <sub>2</sub> " x 10 <sup>3</sup> / <sub>8</sub> "	16 <sup>3</sup> / <sub>8</sub> " x 14 <sup>1</sup> / <sub>2</sub> " x 14 <sup>3</sup> / <sub>8</sub> "	2"
234F	234C	12 <sup>3</sup> / <sub>4</sub> " x 12 <sup>3</sup> / <sub>4</sub> " x 4 <sup>1</sup> / <sub>4</sub> "	15 <sup>1</sup> / <sub>4</sub> " x 15 <sup>1</sup> / <sub>4</sub> " x 6 <sup>3</sup> / <sub>4</sub> "	1 <sup>1</sup> / <sub>4</sub> "
235F	235C	12 <sup>3</sup> / <sub>4</sub> " x 12 <sup>3</sup> / <sub>4</sub> " x 8 <sup>1</sup> / <sub>2</sub> "	15 <sup>1</sup> / <sub>4</sub> " x 15 <sup>1</sup> / <sub>4</sub> " x 11"	1 <sup>1</sup> / <sub>4</sub> "
236F	236C	12 <sup>3</sup> / <sub>4</sub> " x 12 <sup>3</sup> / <sub>4</sub> " x 12 <sup>1</sup> / <sub>2</sub> "	15 <sup>1</sup> / <sub>4</sub> " x 15 <sup>1</sup> / <sub>4</sub> " x 14 <sup>3</sup> / <sub>4</sub> "	1 <sup>1</sup> / <sub>4</sub> "
240F	240C	13" x 13" x 12 <sup>1</sup> / <sub>2</sub> "	16" x 16" x 15 <sup>1</sup> / <sub>2</sub> "	1 <sup>1</sup> / <sub>2</sub> "
238F	238C	13 <sup>3</sup> / <sub>8</sub> " x 11 <sup>3</sup> / <sub>8</sub> " x 11 <sup>7</sup> / <sub>8</sub> "	16 <sup>1</sup> / <sub>4</sub> " x 14 <sup>1</sup> / <sub>4</sub> " x 14 <sup>1</sup> / <sub>4</sub> "	1 <sup>1</sup> / <sub>4</sub> "
282F	282C	14 <sup>1</sup> / <sub>2</sub> " x 14 <sup>1</sup> / <sub>2</sub> " x 4 <sup>1</sup> / <sub>2</sub> "	17" x 17" x 7"	1 <sup>1</sup> / <sub>4</sub> "
283F	283C	14 <sup>1</sup> / <sub>2</sub> " x 14 <sup>1</sup> / <sub>2</sub> " x 8 <sup>3</sup> / <sub>4</sub> "	17" x 17" x 11 <sup>1</sup> / <sub>4</sub> "	1 <sup>1</sup> / <sub>4</sub> "
284F	284C	14 <sup>1</sup> / <sub>2</sub> " x 14 <sup>1</sup> / <sub>2</sub> " x 13"	17" x 17" x 15 <sup>1</sup> / <sub>2</sub> "	1 <sup>1</sup> / <sub>4</sub> "
NEW 243F	243C	15 <sup>1</sup> / <sub>4</sub> " x 12 <sup>3</sup> / <sub>8</sub> " x 12"	17 <sup>1</sup> / <sub>2</sub> " x 14 <sup>1</sup> / <sub>2</sub> " x 14 <sup>3</sup> / <sub>4</sub> "	1"
254F	254C	16" x 9" x 13"	22" x 15" x 19"	3"
242F	242C	16 <sup>1</sup> / <sub>4</sub> " x 7 <sup>1</sup> / <sub>2</sub> " x 8 <sup>1</sup> / <sub>4</sub> "	19 <sup>3</sup> / <sub>4</sub> " x 11" x 11 <sup>1</sup> / <sub>2</sub> "	1 <sup>3</sup> / <sub>4</sub> "
NEW 241F	241C	16 <sup>1</sup> / <sub>4</sub> " x 11 <sup>1</sup> / <sub>4</sub> " x 6"	19 <sup>1</sup> / <sub>4</sub> " x 14 <sup>1</sup> / <sub>4</sub> " x 9"	1 <sup>1</sup> / <sub>2</sub> "
249F	249C	16 <sup>3</sup> / <sub>8</sub> " x 16 <sup>3</sup> / <sub>8</sub> " x 15"	20 <sup>3</sup> / <sub>4</sub> " x 20 <sup>3</sup> / <sub>4</sub> " x 19 <sup>1</sup> / <sub>2</sub> "	2"
253F	253C	16 <sup>1</sup> / <sub>2</sub> " x 9 <sup>5</sup> / <sub>8</sub> " x 17"	19 <sup>1</sup> / <sub>2</sub> " x 12 <sup>5</sup> / <sub>8</sub> " x 20"	1 <sup>1</sup> / <sub>2</sub> "
252F	252C	16 <sup>1</sup> / <sub>2</sub> " x 10" x 8 <sup>1</sup> / <sub>2</sub> "	20 <sup>3</sup> / <sub>4</sub> " x 14 <sup>3</sup> / <sub>4</sub> " x 11 <sup>1</sup> / <sub>2</sub> "	2"
245F	245C	17" x 10" x 8 <sup>1</sup> / <sub>4</sub> "	20 <sup>1</sup> / <sub>2</sub> " x 13 <sup>1</sup> / <sub>2</sub> " x 11 <sup>1</sup> / <sub>4</sub> "	1 <sup>1</sup> / <sub>2</sub> "
246F	246C	17" x 10" x 10 <sup>1</sup> / <sub>2</sub> "	20 <sup>1</sup> / <sub>2</sub> " x 13 <sup>1</sup> / <sub>2</sub> " x 13 <sup>1</sup> / <sub>2</sub> "	1 <sup>1</sup> / <sub>2</sub> "
247F	247C	17" x 10" x 12 <sup>3</sup> / <sub>8</sub> "	20 <sup>1</sup> / <sub>2</sub> " x 13 <sup>1</sup> / <sub>2</sub> " x 17 <sup>1</sup> / <sub>2</sub> "	1 <sup>1</sup> / <sub>2</sub> "

Thermo Chill® shippers are available as a "foam only" unit or foam in a functional and attractive white corrugated box.

- Large selection of sizes
- Superior Insulation
- Foam only
- Chest and lid assembly
- Foam in a box
- In stock — immediate shipment





# INSULATED FOAM SHIPPERS (1-5 DAYS)



## CARRY STRAPS

Carry two insulated containers in one hand.  
Secure lids during handling and transport.  
See page 31 for ordering information.

## LARGE INSULATED CONTAINERS

FOAM ONLY	FOAM/CARTON	INSIDE DIMENSIONS L x W x D (INCHES)	OUTSIDE DIMENSIONS L x W x D (INCHES)	WALL THICKNESS
251F	251C	17" x 10" x 17"	20" x 13" x 20"	1½"
250F	250C	17" x 17" x 9"	20" x 20" x 12"	1½"
248F	248C	18" x 14" x 19"	20 ½" x 16 ½" x 21 ½"	1¼"
260F	260C	19 ½" x 11 ½" x 4 ⅛"	22 ½" x 14 ½" x 7 ⅛"	1½"
261F	261C	19" x 12" x 12 ½"	22" x 15" x 15 ½"	1½"
266F	266C	19" x 12" x 16"	22" x 15" x 19"	1½"
<b>NEW</b> 269F	269C	21 ¼" x 15 ½" x 15 ½"	25 ¼" x 19 ½" x 19 ½"	2"
291F	291C	22 ¾" x 10" x 4 ½"	25" x 12 ¼" x 6 ½"	1"
292F	292C	22 ¾" x 10" x 8 ¾"	25" x 12 ¼" x 10 ¾"	1"
293F	293C	22 ¾" x 10" x 13"	25" x 12 ¼" x 15"	1"

## EXTRA LARGE INSULATED CONTAINERS

FOAM ONLY	FOAM/CARTON	INSIDE DIMENSIONS L x W x D (INCHES)	OUTSIDE DIMENSIONS L x W x D (INCHES)	WALL THICKNESS
296F	296C	23" x 14" x 23"	28" x 19" x 28"	2 ½"
270F	270C	24 ½" x 5 ½" x 5 ½"	27" x 8" x 8"	1¼"
295F	295C	25" x 16 ½" x 12"	28 ⅞" x 19 ¾" x 15 ⅞"	1½"
271F	271C	26" x 19 ⅜" x 10 ½"	29" x 22 ¾" x 13 ½"	1½"
281F	281C	30 ¼" x 14 ½" x 16"	33 ¼" x 17 ½" x 19"	1½"

## CONVENIENT LAB SAMPLER MAILER KITS

The design of our chest and lid simplify packing and unloading.

- Insulated mailers with white box and cold packs in a convenient starter kit.
- Safely accommodates small bottles, samples or mail order shipments.
- Light weight, durable, excellent insulating properties.
- Reusable and recyclable.



### COMPACT MAILER/ICE-BRIX® CONVENIENT PACKS

<b>Kit order # 201KIT</b>	Convenient Pack – Includes
24 Item # 201C	Compact mailers and (6" x 4 1/2" x 3" ID) (8" x 6 1/2" x 5" OD)
36 Item # IB8	ICE-BRIX® cold pack

### COMPACT MAILER TEMP-CONTROL, 4 SPECIMEN TUBE/ICE-BRIX® CONVENIENT PACKS

<b>Kit order # 201VIC</b>	Convenient Pack – Includes
24 Item # 201C	Compact mailers and (6" x 4 1/2" x 3" ID) (8" x 6 1/2" x 5" OD)
	with an assembled 4 cavity specimen tube insert, holds 4 (3 – 10 mil) tubes
36 Item # IB8	ICE-BRIX® cold pack



### TALL COMPACT MAILER/ICE-BRIX® CONVENIENT PACKS

(2" more packing space)

<b>Kit order # 200KIT</b>	Convenient Pack – Includes
18 Item # 200C	Tall Compact mailers (6" x 4 1/2" x 5 1/4" ID) (8" x 6 1/2" x 7 1/4" OD)
36 Item # IB8	ICE-BRIX® cold pack



### 211C BIO MAILER/ICE-BRIX® CONVENIENT PACKS

<b>Kit order # 211KIT</b>	Convenient Pack – Includes
12 Item # 211C	Insulated mailers (6 1/2" Dia. x 4" ID) (9 1/2" Dia. x 7" OD)
36 Item # IB8	ICE-BRIX® cold pack

### 204C INSULATED SHIPPER/ICE-BRIX® CONVENIENT PACKS

<b>Kit order # 204KIT</b>	Convenient Pack – Includes
10 Item # 204C	Insulated shippers (8" x 6" x 4 1/2" ID) (11" x 9" x 7 1/2" OD)
12 Item # IB12	ICE-BRIX® cold pack

### 207C INSULATED SHIPPERS/ICE-BRIX® CONVENIENT PACKS

<b>Kit order # 207KIT</b>	Convenient Pack – Includes
6 Item # 207C	Insulated shippers (8" x 6" x 7" ID) (11" x 9" x 10" OD)
12 Item # IB12	ICE-BRIX® cold pack



For more information on refrigerant cold packs – see pages 9-11.

# OVERNITE™ SHIPPERS AND MAILERS

## THERMO CHILL® OVERNITE™ (1-2 DAY)



Thermo Chill® Overnite™ Shippers and Mailers are engineered especially for the 1-2 day shipper. They are lightweight, dependable and very cost-effective.

We manufacture a complete line of the highest quality, multi-use insulated containers for overnight or two-day shipments. These lightweight yet sturdy shippers are an inexpensive solution for shipping temperature-sensitive products via UPS, FedEx, Airfreight, Parcel Postal or other services.

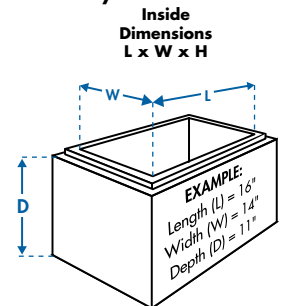
For extended shipping times, make use of our ICE-BRIX® leakproof, and odorless gel refrigerant packs (see pages 7 and 8).

Our specially formulated packs are proven to be the best solution for long lasting, low temperature consistency during shipments.

- Priority shipments
- Lightweight
- Economical
- Multiple sizes
- Corrugated box
- All sizes in stock
- Immediate delivery

Carriers may require overnight containers to be shipped in a corrugated box.

We are your one stop source for all your temperature packaging requirements. The leader in stock selection for your most effective, consistent, custom shipping solutions, including immediate service.



NEW

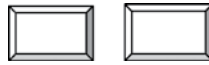
FOAM ONLY	FOAM/CARTON	INTERIOR DIMENSIONS L x W x D	EXTERIOR DIMENSIONS L x W x D	WALL THICKNESS
706F	706C	5 7/8" x 3 7/8" x 2 7/8"	6 7/8" x 4 7/8" x 3 7/8"	1/2"
201F	201C	6" x 4 1/2" x 3"	8" x 6 1/2" x 5"	1"
ON7F	ON7C	7" x 6" x 5 1/2"	8 1/2" x 7 1/2" x 7"	3/4"
ON12F	ON12C	9 1/2" x 7 1/2" x 5 1/2"	11" x 9" x 7"	3/4"
ON18F	ON18C	9 1/2" x 7 1/2" x 10 1/2"	11" x 9" x 12"	3/4"
ON17F	ON17C	10" x 10" x 4 1/4"	11 3/4" x 11 3/4" x 5 3/4"	3/4"
ON19F	ON19C	10 1/2" x 10 1/2" x 8"	12" x 12" x 9 1/2"	3/4"
ON20F	ON20C	12" x 9 3/4" x 11"	13 1/2" x 11 1/4" x 12 1/2"	3/4"
ON23F	ON23C	14" x 8" x 5"	15 1/2" x 9 1/2" x 6 1/2"	3/4"
ON24F	ON24C	14" x 8" x 10"	15 1/2" x 9 1/2" x 11 1/2"	3/4"
ON28F	ON28C	14 1/2" x 14 1/2" x 14"	16" x 16" x 15 1/2"	3/4"
ON22F	ON22C	14 1/2" x 6" x 4 1/2"	16 1/4" x 8 3/4" x 6"	3/4"
ON40F	ON40C	15" x 13" x 13"	16 1/2" x 14 1/2" x 14 1/2"	3/4"
ON43F	ON43C	15 1/4" x 12 3/8" x 12"	17 1/4" x 14 3/8" x 14"	1"
ON39F	ON39C	16 1/4" x 10 1/2" x 7 1/4"	18" x 12 1/4" x 9"	7/8"
ON47F	ON47C	16 1/2" x 10 7/8" x 10"	18 1/4" x 12 5/8" x 11 3/4"	7/8"
ON36F	ON36C	18 1/2" x 11 1/2" x 9 3/4"	20" x 13" x 11 1/4"	3/4"
ON38F	ON38C	18 1/2" x 11 1/2" x 18 1/2"	20" x 13" x 20"	3/4"
ON49F	ON49C	18 3/4" x 18 3/4" x 17"	20 1/4" x 20 1/4" x 18 1/2"	3/4"
ON55F	ON55C	20 1/2" x 12 1/2" x 5 1/8"	22" x 14" x 6 5/8"	3/4"
ON50F	ON50C	20 3/4" x 13 3/4" x 14"	22 1/4" x 15 1/4" x 15 1/2"	3/4"
ON69F	ON69C	22 7/8" x 16 7/8" x 16 7/8"	25 3/8" x 19 3/8" x 19 3/8"	1 1/4"
ON66F	ON66C	25 1/2" x 6 1/4" x 6 1/4"	26 3/4" x 7 1/2" x 7 1/2"	3/4"

F = "Foam Unit Only" container described above.

C = Foam unit in assembled 32 ECT corrugated box.

# INSULATED MULTI-DEPTH SHIPPERS

The perfect container for shipping everything from small, medium and large order fulfillment with minimal effort



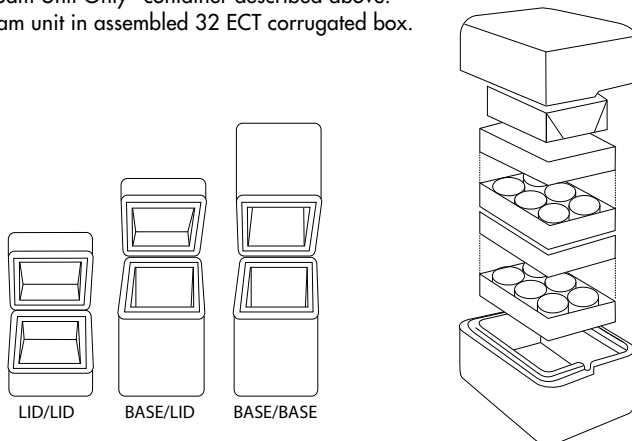
The Expand-em™ Series is designed to meet a full range of shipping needs. The distinctive “common” top and bottom style with easy-locking seal create multiple possible shippers from only two pieces.

The Expand-em™ Series provides an affordable alternative for customers with storage restrictions as well as variable height sizing requirements. Simply add a lid to a lid or a lid to a base or a base to a base. Always allow room for your refrigerant packs or dry ice to help ensure your perishable product's integrity upon arrival.

Most carriers require the insulated shippers to be in an outer corrugated box. Our professional representatives can assist you further with any questions.

FOAM ONLY	FOAM/CARTON	INSIDE DIMENSIONS L x W x D	OUTSIDE DIMENSIONS L x W x D	WALL THICKNESS
XM16F	XM16C	10 3/8" dia. x 4"	12 7/8" x 12 7/8" x 6 1/2"	1 1/4"
XM1F	XM1C	10 3/8" x 10 3/8" x 4"	12 7/8" x 12 7/8" x 6 1/2"	1 1/4"
XM2F	XM2C	10 3/8" x 10 3/8" x 7 1/4"	12 7/8" x 12 7/8" x 9 3/4"	1 1/4"
XM3F	XM3C	10 3/8" x 10 3/8" x 11"	12 3/4" x 12 3/4" x 3 1/2"	1 1/4"
XM7F	XM7C	10 1/2" x 8 1/2" x 5"	13" x 11" x 7 1/2"	1 1/4"
XM8F	XM8C	10 1/2" x 8 1/2" x 8 1/2"	13" x 11" x 11"	1 1/4"
XM9F	XM9C	10 1/2" x 8 1/2" x 12"	13" x 11" x 14 1/2"	1 1/4"
XM10F	XM10C	10 1/2" x 8 1/2" x 13 1/2"	13" x 11" x 16"	1 1/4"
XM11F	XM11C	10 1/2" x 8 1/2" x 17"	13" x 11" x 19 1/2"	1 1/4"
XM12F	XM12C	10 1/2" x 8 1/2" x 22"	13" x 11" x 24 1/2"	1 1/4"
XM13F	XM13C	10 5/8" x 6 1/2" x 2"	13" x 8 1/2" x 4 1/4"	3/4"
XM14F	XM14C	10 5/8" x 6 1/2" x 3 1/2"	13" x 8 1/2" x 5 3/4"	3/4"
XM15F	XM15C	10 5/8" x 6 1/2" x 5"	13" x 8 1/2" x 6 1/2"	3/4"
XM4F	XM4C	12 3/4" x 12 3/4" x 4 1/4"	15 1/4" x 15 1/4" x 6 3/4"	1 1/4"
XM5F	XM5C	12 3/4" x 12 3/4" x 8 1/2"	15 1/4" x 15 1/4" x 11"	1 1/4"
XM6F	XM6C	12 3/4" x 12 3/4" x 12 1/2"	15 1/4" x 15 1/4" x 14 3/4"	1 1/4"
XM17F	XM17C	14 1/2" x 14 1/2" x 4 1/2"	17" x 17" x 7"	1 1/4"
XM18F	XM18C	14 1/2" x 14 1/2" x 8 3/4"	17" x 17" x 11 1/4"	1 1/4"
XM19F	XM19C	14 1/2" x 14 1/2" x 13"	17" x 17" x 15 1/2"	1 1/4"
XM20F	XM20C	22 3/4" x 10" x 4 1/2"	25" x 12 1/4" x 6 1/2"	1"
XM21F	XM21C	22 3/4" x 10" x 8 3/4"	25" x 12 1/4" x 10 3/4"	1"
XM22F	XM22C	22 3/4" x 10" x 13"	25" x 12 1/4" x 15"	1"

F = “Foam Unit Only” container described above.  
C = Foam unit in assembled 32 ECT corrugated box.



## INSULATED MULTI-DEPTH FOAM SHIPPERS



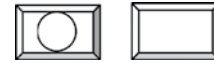


# EXPAND-EM™ FOAM SHIPPERS

## THERMO CHILL® ROUND BASE/SQUARE LID



### EXPAND-EM™ SERIES 8 1/8" ROUND DIAMETER INTERIOR AND SQUARE INTERIOR TOP



The open top and bottom support diameter position and side refrigerant partitions allows full cold wrap with ICE-BRIX® Saddle Bag refrigerants.

Ideal for 6" – 8" round containers either cans or bottles. Round containers of temperature sensitive products stay in position while draped with a curtain of saddle bag ICE-BRIX® refrigerant or frozen dry ice.

- Mix and select your height – 3 sizes creates 6 containers
- Versatile and saves money for customer mail orders
- Use with dry ice or refrigerant packs

FOAM ONLY	FOAM/CARTON	INSIDE DIMENSIONS L x W x D	OUTSIDE DIMENSIONS L x W x D	WALL THICKNESS
XM7MF	XM7MC	8 1/4" dia. x 5"	11" x 13 1/4" x 7 1/2"	1 1/4"
XM8MF	XM8MC	8 1/4" dia. x 8 1/2"	11" x 13 1/4" x 11"	1 1/4"
XM9MF	XM9MC	8 1/4" dia. x 12"	11" x 13 1/4" x 14 1/2"	1 1/4"
XM10MF	XM10MC	8 1/4" dia. x 13 1/2"	11" x 13 1/4" x 16"	1 1/4"
XM11MF	XM11MC	8 1/4" dia. x 17"	11" x 13 1/4" x 19 1/2"	1 1/4"
XM12MF	XM12MC	8 1/4" dia. x 22"	11" x 13 1/4" x 24 1/2"	1 1/4"

## THERMO CHILL® ROUND BASE AND LID



### EXPAND-EM™ SERIES 8 1/8" ROUND DIAMETER INTERIOR BASE/LID



With side refrigerant partitions. Ideal for round containers either cans or bottles stay in position. Designed with side refrigerant compartment for cold packs or dry ice.

- 1 1/4" x 8 1/4" refrigerant chamber on two sides of product diameter
- Mix and select your height – 3 sizes creates 6 containers
- Versatile and saves money for customer mail orders
- Use with dry ice or long refrigerant packs

FOAM ONLY	FOAM/CARTON	INSIDE DIMENSIONS L x W x D	OUTSIDE DIMENSIONS L x W x D	WALL THICKNESS
XM7RF	XM7RC	8 1/4" dia. x 5"	11" x 13 1/2" x 7 1/2"	1 1/4"
XM8RF	XM8RC	8 1/4" dia. x 8 1/2"	11" x 13 1/2" x 11"	1 1/4"
XM9RF	XM9RC	8 1/4" dia. x 12"	11" x 13 1/2" x 14 1/2"	1 1/4"
XM10RF	XM10RC	8 1/4" dia. x 13 1/2"	11" x 13 1/2" x 16"	1 1/4"
XM11RF	XM11RC	8 1/4" dia. x 17"	11" x 13 1/2" x 19 1/2"	1 1/4"
XM12RF	XM12RC	8 1/4" dia. x 22"	11" x 13 1/2" x 24 1/2"	1 1/4"

## ICE-BRIX® SADDLE BAGS

- Reusable
- Recyclable



- Ultimate in temperature uniform stability
- Refrigerant Saddle Bags control the entire stability process
- Maximum temperature sensitive protection for bulk transport of refrigerated or frozen products even under extreme ambient conditions for up to 6 days

PART #	ICE-BRIX® SADDLE BAG PALLET REFRIGERANTS
SB10	8" x 34" 8 packs per length, in container cold wrap

# NESTABLE INSULATED CONTAINERS

## THERMAL ASSURANCE

Thermo Chill® Nestable Shippers are engineered especially for stackability, excellent drop shock and improved internal product cooling. Ideal for 1- 6 day transit time. They are lightweight, very durable and cost effective.

The nestable design saves space, doubles the quantity per truck in the same allotted warehouse space. It's a terrific benefit to your bottom line and storage concerns.

For extended shipping time, use convenient ICE-BRIX® new long size refrigerants or standard sizes to surround the product and across the top to maximize shipping time.

Delicate enough for tropical fish, live coral and strong enough for heavy 5 gallon plastic buckets of foods and liquids.

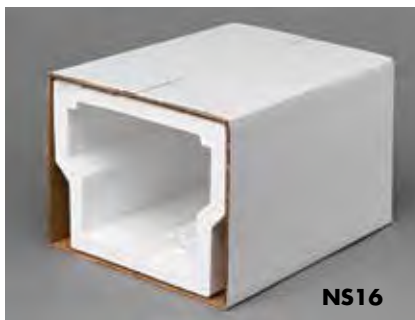
- Economical
- Light weight
- Space savers, storage and shipping
- Space reserved for refrigerants
- Unique design to extend Cold/Frozen ship time

FOAM ONLY	FOAM/CARTON	INTERIOR DIMENSIONS TOP: L x W x D	EXTERIOR DIMENSIONS L x W x D	WALL THICKNESS
		BOTTOM: L x W x D		
NS-3F	NS-3C	7 3/4" x 6 3/4" x 5 3/4"	9 1/4" x 8 1/4" x 7 1/4"	3/4"
		6" x 5" x 5 3/4"		
NS-5F	NS-5C	8 3/4" x 8 3/4" x 6 1/2"	10 1/4" x 10 1/4" x 8 1/4"	3/4"
		7" x 7" x 6 1/2"		
NS-7F	NS-7C	14 1/2" x 14 1/2" x 16 1/2"	17 3/4" x 17 3/4" x 19 1/2"	1 1/2"
		11 1/2" x 11 1/2" x 16 1/2"		
NS-9F	NS-9C	15 3/4" x 15 3/4" x 17"	17 3/4" x 17 3/4" x 19 1/2"	1"
		12 1/2" x 12 1/2" x 17"		
NS-12F	NS-12C	16" x 9 1/2" x 7 1/2"	17 3/4" x 11 1/4" x 9 1/4"	7/8"
		14" x 7 1/2" x 7 1/2"		
NS-15F	NS-15C	16" x 12" x 10 1/2"	17 3/4" x 13 3/4" x 12 1/4"	7/8"
		14" x 10" x 10 1/2"		
NS-16F	NS-16C	16" x 16" x 7"	17 3/4" x 17 3/4" x 8 3/4"	7/8"
		14" x 14" x 7"		
NS-20F	NS-20C	19 1/2" x 12 1/2" x 8"	21 1/4" x 14 1/4" x 10 1/4"	1"
		17" x 10" x 8"		

F = "Foam Unit Only" container described above.

KD = Knock Down box shipped flat to save on freight costs.

We are your one-stop source for all your temperature packaging requirements. The leader in selection and stock for your most effective, consistent and custom shipping solutions, including immediate personal service.



NS16

## NESTABLE SERIES (1-6 DAY)



NS16

NS3

NS7

# INSULATED TOTES/SPACE SAVER KITS™

## THERMO CHILL® REUSABLE PLASTIC INSULATED TOTES



These durable, ultra high impact, polyethylene totes are built to last and are insulated with thick polystyrene foam insert.

- Durable
- Stackable
- Lightweight
- Reusable

Reusable plastic totes with EPS foam liner are ideal for distribution, and storage.

- Plastic tote or plastic tote with EPS foam insulated liners
- Textured bottom ensures non-slip grip in transit
- Handle grips on either side for easy carrying
- Tamper proof lid, designed for use with cable ties (see page 60)
- High density polyethylene
- Replaceable EPS foam insulated liners
- Available in Gray, Red or Blue



### PLASTIC TOTES

PART #	OUTSIDE DIMENSIONS L x W x D	INSIDE DIMENSIONS L x W x D	PART WEIGHT
HT22	19 5/8" x 11 3/4" x 7 1/4"	16 1/8" x 8 1/2" x 6"	3.4 lbs.
HT39	21 3/4" x 15 1/8" x 9 3/4"	18" x 12 7/8" x 8 5/8"	4.1 lbs.
HT47	21 3/4" x 15 1/8" x 12 7/8"	18 1/8" x 12 1/4" x 11 3/4"	6.5 lbs.

Add color suffix to part #: Gray = GY, Red = RD, Blue = BL

### FOAM INSULATED LINERS FOR TOTES

PART #	OUTSIDE DIMENSIONS L x W x D	INSIDE DIMENSIONS L x W x D	THICKNESS
ON22F	17 1/2" x 19" x 6"	14 1/2" x 16" x 4 1/2"	3/4"
T42F	18" x 12 1/4" x 10 3/4"	15" x 9 1/4" x 7 3/4"	1 1/2"
PX351F	20" x 14" x 8 5/8"	16" x 10" x 6 3/8"	1 1/2"
ON39F	20" x 14" x 9"	16 1/4" x 10 1/2" x 7 1/4"	7/8"
PX346F	20" x 14" x 11 3/4"	15 3/16" x 9 3/8" x 9 1/2"	1 1/2"
ON47F	20" x 14" x 11 3/4"	16 1/4" x 10 1/2" x 10"	7/8"
T52F	21" x 14" x 10 3/4"	17" x 11" x 6 3/4"	2"

Replacement EPS Foam lids available. Call for quote.

## THERMO CHILL® SPACE SAVER KIT™ INSULATED SHIPPERS



The Space Saver Kit™ Series stores flat and are easy to assemble when needed – just pack and ship.

Space Saver Kit™ Series Insulated Containers consist of a 32 ECT corrugated carton (printed legend reads "up arrows" orientation with 'Rush' and 'Perishable'), 6 EPS panels (top and bottom plus 4 sides), with a poly bag liner.

Custom corrugated cartons and sizes can be made upon request. We can fit your existing corrugated carton, please call for more details.

PART #	DIMENSIONS L x W x D	THICKNESS	CORRUGATE OUTSIDE DIMENSIONS L x W x D
RC209	9" x 7" x 10"	1"	11 1/8" x 9 1/8" x 12 3/16"
RC200	12" x 12" x 12"	1"	14" x 14" x 14"
RC261	20" x 13" x 13 1/2"	1"	22 3/8" x 15 7/16" x 15 11/16"
RC247	23 1/2" x 20 1/2" x 11 1/2"	1 1/2"	26 1/2" x 23 1/2" x 14 1/2"

### NEW LABELS



NEW LABELS AND NEW LOW COST.  
Starting on page 44.  
A MUST SEE IF YOU USE LABELS.



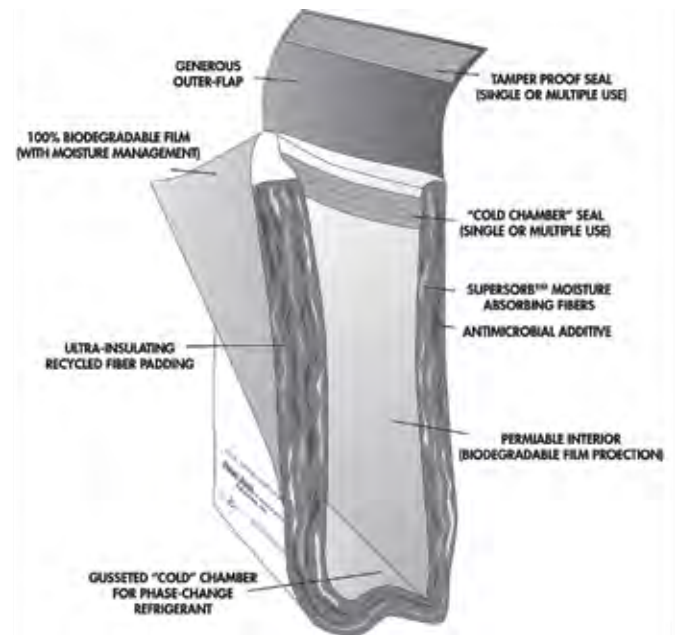
# INSULATED BOX LINERS

THERM-O-CHILL™ COOL STUFF™ offers a variety of eco-friendly, certified biodegradable, thermal protective package liners and mailers. Insulated padding is a purified, recycled textile fiber, processed with super-absorbent fiber with an EPA-accepted antimicrobial additive for condensate and spill containment. Durable biodegradable film is used to enclose insulated padding. COOL STUFF™ thermal box liners and mailer safely protects temperature sensitive products, and simple to use.

Certified biodegradable as per ASTM 5511; ASTM 5D209-91; ASTM D5338.98

- User-friendly
- Superior-Insulating Protective Padding
- ASTM Certified Bio-Degradable

**COOL STUFF™ BOX LINERS CAN BE CUSTOMIZED TO FIT ANY BOX OR CARTON SIZE.**



Quickly convert any stock box into an effective biodegradable earth friendly thermal insulated shipper.

- Provides up to 4 days protection.
- Available in two thicknesses.
- Space saving Cool Stuff™ liners store flat.
- Biodegradable earth friendly materials.
- Use with ICE-BRIX® cold packs for up to 4 days shipping.

**1" 2-4 DAY COOL STUFF™ BIODEGRADABLE INSULATED SHIPPER (ULTRA/MEDIUM DUTY)** Add 2" for outside measurement on liner & stock box.

PART #	INSIDE DIMENSIONS L x W x H	QUANTITY PER CASE	USE WITH STOCK BOX
167	4" x 4" x 4"	10	KD666
168	6" x 6" x 6"	10	KD888
169	8" x 6" x 4"	10	KD1086
177	8" x 8" x 8"	5	KD101010
178	10" x 8" x 8"	5	KD121010
179	12" x 12" x 12"	5	KD141414
183	20" x 14" x 14"	4	KD221616

**½" 1-2 DAY COOL STUFF™ BIODEGRADABLE INSULATED SHIPPER (MEDIUM DUTY)** Add 1" for outside measurement on liner & stock box.

PART #	INSIDE DIMENSIONS L x W x H	QUANTITY PER CASE	USE WITH STOCK BOX
162	10" x 10" x 10"	5	KD111111
164	14" x 14" x 14"	5	KD151515
165	23" x 17" x 17"	4	KD241818

## COOL STUFF™ BOX LINERS





# INSULATED MAILERS

## COOL STUFF™ MAILERS

### EXTRA PROTECTION – SUPERIOR DUTY

#### EZ SIDE LOAD COOL STUFF™ MAILERS



FOR BOX PROTECTION USE SELF-SEAL BOXES ON PAGE 56.

Cool Stuff™ Mailers provide superior duty, longer term shipping, thermal safe protection for pharmaceuticals, specimens and other refrigerated or frozen products.

**EZ SIDE LOAD** opens on the long end for convenient product loading; holds more product.

- Biodegradable – Earth friendly
- 1" effective moisture and thermal barrier
- Dual self seal closure.
- 1" fiber insulation safely cushions and thermally protects contents.

PART #	OUTSIDE DIMENSIONS W x L	THICKNESS	QUANTITY PER CASE	USE WITH STOCK BOX
<b>EZ SIDE LOAD COOL STUFF™ MAILERS</b>				
184	9" x 11"	1"	18	KD10212SL
185	12" x 14"	1"	18	N/A
186	14" x 18"	1"	12	N/A

## COOL STUFF™ MAILERS

### VALUE PERFORMANCE – INTERMEDIATE DUTY



#### EZ SIDE LOAD COOL STUFF™ MAILERS



Cool Stuff™ Mailers provide intermediate duty, longer term shipping, thermal safe protection for pharmaceuticals, specimens and other refrigerated or frozen products.

**END LOAD** opens on the short end for product loading.

**EZ SIDE LOAD** opens on the long end for convenient product loading; holds more product.

- Biodegradable – Earth friendly
- ½" effective moisture and thermal barrier
- Dual self seal closure, thermal effective and tamper resistant mailer.
- ½" fiber insulation safely cushions and thermally protects contents.

PART #	OUTSIDE DIMENSIONS W x L	THICKNESS	QUANTITY PER CASE	USE WITH STOCK BOX
<b>END LOAD COOL STUFF™ MAILERS</b>				
187	9" x 11"	½"	18	KD10212SL
188	12" x 14"	½"	18	N/A
189	14" x 18"	½"	12	N/A
<b>EZ SIDE LOAD COOL STUFF™ MAILERS</b>				
192	9" x 11"	½"	18	KD10212SL
193	12" x 14"	½"	18	N/A
194	14" x 18"	½"	12	N/A

# INSULATED BOX LINERS AND MAILERS

Quickly convert any stock box into an economical reflective thermal insulated shipper.

- Provides overnight protection of pharmaceuticals, refrigerated items.
- Space saving liners stores flat (Light Duty).
- Leak resistant
- Use with ICE-BRIX® cold packs for extended shipping.



PART #	INSIDE DIMENSIONS L x W x H	QUANTITY PER CASE	USE WITH STOCK BOX
123	8" x 6" x 5"	50	KD865
125	8" x 8" x 8"	50	KD888
126	10" x 10" x 10"	50	KD101010
127	12" x 10" x 9"	50	KD12109
129	12" x 12" x 12"	50	KD121212
139	14" x 12" x 12"	50	KD141212
156	16" x 16" x 16"	50	KD161616
157	24" x 18" x 18"	50	KD241818

## COOL BARRIER BUBBLE



Reflective thermal protection for economical short term shipping of pharmaceuticals, specimens and other items.

- Effective moisture and reflective barrier
- 3/16" metalized laminated bubble cushions and protects contents.
- Use with ICE-BRIX® leak proof refrigerants for extended cold protection

PART #	INSIDE DIMENSIONS W x L	QUANTITY PER CASE	USE WITH STOCK BOX
114	6" x 6 1/2"	100	N/A
115	6 1/2" x 10 1/2"	100	N/A
116	8" x 11"	100	KD101212SL
117	11" x 15"	50	KD11315SL
121	12" x 17"	50	KD12317SL
122	15" x 17"	50	N/A

## COOL BARRIER BUBBLE ECONOMY NEXT DAY



FOR BOX PROTECTION USE  
SELF-SEAL BOXES ON PAGE 56.

## TELL CARRIERS HOW TO HANDLE YOUR SHIPMENTS.

CAUTION & HANDLING LABELS, starting on page 44.



**TAPE AND SEAL PACKAGES SECURELY  
WITH ASSURANCE**, see page 64-66.



# LAB TUBE MAILERS

ECONOMICAL SHIPMENT OF BLOOD, SERUMS, CULTURES, URINE AND OTHER LABORATORY SPECIMENS FOR SEROLOGY AND HISTOPATHOLOGY.



**730**  
SINGLE TUBE  
SEROLOGY MAILER



**770** SINGLE TUBE  
WITH COMPARTMENT  
3 - 10 ML TUBE



**727**  
2 TUBE 5 - 10 ML MAILER  
2 (3 X 1 INCH) SLIDES



**725**  
3 TUBE MAILER  
3 - 10 ML



**726**  
3 TUBE



**773**  
3 TUBE MAILER  
5 - 10 ML  
CHEST AND LID



**724**  
4 TUBE  
8 (3 X 1 INCH) SLIDES  
7 - 10 ML TUBES



**775**  
5 TUBE MAILER  
3 - 5 ML TUBES  
CHEST & LID



**723**  
5 TUBE MAILER  
3 - 5 ML TUBES



**729**  
10 (3 X 1 INCH) SLIDES

## LAB TUBE MAILERS

- Maximum protective packaging from collection tube breakage for known non-hazardous blood, specimens, tissues and serums
- Many economical choices available, single tube - multi-tube, slides and tube/slide combinations
- Easily accommodates most collection tubes for transport, including Vacu Tainer®  
Note: Trademark of Becton Dickinson
- Outer Fiberboard mailers in stock
- Glue dots®, keeps tubes in place during shipping and unpacking
- Reusable and recyclable



## LAB TUBE MAILERS

LAB TUBE PART #	HOLDS TUBES	HOLDS SLIDES	TUBE VOLUME	TUBE DIMENSIONS	TUBE CAVITY DIMENSIONS	MAILER BOX PART #
730	1	N/A	3, 5, 7, 10 ml	Diameter: 10.25 - 16 mm Length: 75 to 103 mm	110 x 16 mm	90
770	1	N/A	3, 5, 7, 10 ml	Diameter: 10.25 - 16 mm Length: 75 to 103 mm w/compartment	110 x 16 mm	89
727	2	2	3, 5, 7, 10 ml	Diameter: 10.25 - 16 mm Length: 75 to 103 mm	107 x 16 mm	89
725	3	N/A	3, 5, 7, 10 ml	Diameter: 10.25 - 16 mm Length: 75 to 103 mm	105 x 17 mm	88
773	3	N/A	3, 5, 7, 10 ml	Diameter: 10.25 - 16 mm Length: 75 to 103 mm	108 x 17 mm	89
726	3	N/A	3, 5, 7, 10 ml	Diameter: 10.25 - 16 mm Length: 75 to 103 mm	113 x 18 mm	89
724	4	8	3, 5, 7, 10 ml	Diameter: 10.25 - 16 mm Length: 75 to 100 mm	105 x 19 mm	92
723	5	N/A	3, 5 ml	Diameter: 10.25 - 13 mm Length: 75 to 103 mm	106 x 13 mm	88
775	5	N/A	3, 5, 7, 10 ml	Diameter: 10.25 - 16 mm Length: 75 to 103 mm	108 x 17 mm	88
765	5	N/A	3, 5, 7, 10 ml	Diameter: 10.25 - 16 mm Length: 75 to 150 mm	170 x 16 mm	93
721	8	8	3, 5, 7, 10 ml	Diameter: 10.25 - 16 mm Length: 75 to 103 mm	113 x 18 mm	94
722	8	N/A	3, 5, 7, 10 ml	Diameter: 10.25 - 16 mm Length: 75 to 103 mm	113 x 18 mm	95
729	N/A	10	N/A	N/A	N/A	—



# DIAGNOSTIC TUBE MAILERS

## DIAGNOSTIC SPECIMEN TUBE MAILING/SHIPPING SYSTEM



Diagnostic specimen accessory mailing kits combination triple outer packaging, kits have been tested and certified to meet the material construction and test performance requirements for the transport of diagnostic specimens. Complies with IATA packing instruction 650, U.S. Postal Service and DOT. No receptacle specimen tubes included.

- Accessory kits include leakproof EPS foam mailer (base and lid), absorbent material, waterproof tape, leak tight zipper lock poly bag, corrugated shipping carton and instruction sheets.
- Two stock models; 3 tube and 8 tube protective mailer/shippers (no tubes included) isolates and secures furnished (95 kPa) certified specimen tube.
- Sufficient absorbent material for complete absorption of liquid contents in the primary receptacle tubes when filled with blood.
- Foam tube mailers/shippers and packaging accessory components are available for customer/distributors, furnishing certified primary receptacle tubes.



### DIAGNOSTIC SPECIMEN KITS (NO TUBES)

PART #	HOLDS	KIT INCLUDES	OUTSIDE DIMENSIONS L x W x D (INCHES)	QTY PER CASE
726DIAG	Three 7-10 mil tubes	Foam mailer, absorbent material, waterproof tape, corrugated shipping carton, zipper lock poly bag and instruction sheets	5½" x 4" x 2"	33
722DIAG	Eight 7-10 mil tubes	Foam mailer, absorbent material, waterproof tape, corrugated shipping carton, zipper lock poly bag and instruction sheets	10½" x 5½" x 3"	50

# SPECIALIZED LAB MAILERS



PART #	HOLDS	CAVITY DIMENSIONS (INCHES)	BOX PART #
701	Six 5 – 30ml vials	Six 1 5/8" dia. x 2 1/4" ht.	80
778	Specimens, vials, swabs, tubes	5 7/8" x 1 1/2" x 1 1/2"	778KD
763	Mil Spec Lab Mailer: Cans, screw-cap, vials, swabs, tubes, air filter cartridge, syringes	10" x 2 3/4" x 2 3/4"	81
702	2 oz.	4" x 1 1/2" x 4"	700
704	4 oz. bottle or French square bottle	5 1/4" x 2" x 2 1/4"	705KD
718	1 or 2 petri dishes	4" x 1 1/2" x 4"	82
767	14 standard petri dishes	8 3/4" x 3 7/8" x 3 7/8"	83
201	Vials, tubes, small bottles, cups, tissue flasks. Optional foam pads.	6" x 4 1/2" x 3"	290
728	Expand-Em Bio Mailer	4" x 3 1/2" x 1 1/4"	84
733	Expand-Em Bio Mailer 100 ml sample containers, 4 oz. urine cup	4" x 3 1/2" x 2 5/8"	98
734	Expand-Em Bio Mailer Vials, tubes, small bottles, cups, tissue flasks. Optional foam pads.	4" x 3 1/2" x 4"	99
211	Tubes, vials, ampules, collection bottles	6 1/2" Dia. x 4"	211KD
727	Contact lenses or 5 – 10 vials	7/8" Dia. x 3"	87
706	<b>NEW</b> Collection canister, urine cup	5 7/8" x 3 7/8" x 2 7/8"	706KD
719	<b>NEW</b> Mil Spec Mailer	8" x 2 1/4" x 1 7/8"	86

## SPECIALIZED LAB MAILERS

- Maximum breakage protection packaging for non-hazardous laboratory specimens. Ideal for biological, research, environmental, and public health laboratories.
- Accommodates specialize lab containers and many collection bottles, vials, petri dishes and cans
- Glue dots®, keeps lab sample containers in position
- Reusable and recyclable

# LAB MAILER INSERTS AND MAILERS

## CUSHION AND CUSTOMIZE YOUR PRODUCT TO MEET YOUR LABORATORY NEEDS.

**211C – Bio-specimen mailer/shipper** – Safely packs over 40 specimen tubes, petri dishes, vials or ampules and assorted swabs, with space for ICE-BRIX® refrigerant. 1" thick walls, assuring long temperature retention. Comes in an assembled 200# test corrugated box. ICE-BRIX® controls the interior temperature during transit.

**201F – Compact Mailer** – Foam container ships frozen or dry iced products comfortably for several days. Features include a chest style base with lid. Packs small bottles, vials and tubes. Small products are easy to pack and unpack safely. 1" thick foam walls shipper/mailler. Product 201C is the compact foam mailer unit in an assembled 200# test corrugated box.

**290 KD – White Mailer Sleeve** – Fits 201F.

**207 WIC – 40ml Vial shipper** – 1½" protective EPS foam insulated shipper – Secures up to 12 with a 28mm diameter. Includes re-useable polyethylene insert and one 24oz. ICE-BRIX® refrigerant pack to maintain sample temperatures. Vial shipper comes assembled in a 200# corrugated box.

**201 VIC - Temperature Controlled (4) four tube mailer** – One (1) inch protective foam insulated shipper includes a polyethylene (4) four cavity specimen tube insert. Holds (3-10ml) tubes, cavity size 105mm x 17mm. One each 8 oz. ICE-BRIX® refrigerant pack to control and stabilize specimen temperatures. Unit also includes an absorbent pad with a 2 mil thick polyethylene bag and twist tie closure. 200# test corrugated box included.

**201 IE – Tube / Vial insert pad**

**201 GPP – General purpose convoluted foam pad**

**201 ETP – Eye Tissue insert pad**

**207 IE – 40ml (12 cavity) insert pad**

[Inquire about other custom insert pads...](#)

## STURDY FIBERBOARD AND CORRUGATED MAILERS

Sturdy white paperboard mailer boxes enhance the protective effectiveness of the foam tube mailers. All paperboard mailers are plain. Available upon request, custom print with lab name, address, postal permit number and any other handling message.

MAILER BOX PART #	FITS FOAM PART #	BOXES PER CASE
90	730 (1 tube)	300
89	727 (2 tubes)	300
88	725 (3, 1 tubes)	250
91	726 (3, 1 tubes, deep)	300
92	724 (4 tubes)	200
93	723 (5 tubes)	200
94	721 (8 tubes)	200
290	201 (Compact lab mailer) 6 17/32" x 5 1/32" x 8 1/8"	125
700	2 oz. Boston round mailer	200
86	719 (Mil spec mailer)	250





# ICE BATH/CARRYING STRAP/SPECIMEN TRANSPORT BAGS

This durable Thermo Chill® insulated utility container is manufactured to be tough and built to last. This double-wall, ultra high impact, polyethelene container is insulated with thick polyurethane foam assuring maximum cold retention.

- Dry ice or wet ice – storage systems
- Packaging station storage systems
- Laboratory testing chamber
- Cryogenic application systems

FOAM ONLY	FOAM/CARTON	INSIDE DIMENSIONS L x W x D (INCHES)
260F	260C	19 1/2" x 11 1/2" x 4 1/8"

## ECONOMICAL ICE BATH



Carrying straps are ideal for transporting containers.

- Durable nylon straps are adjustable with a nylon clip closure
- Carry 2 insulated carriers using one strap
- Comfortable hand straps

PART #	DESCRIPTION
306	Strap only
260 KIT	Strap and 2 each #260F 1 1/2" thick foam containers inside dimension 19 1/2" x 11 1/2" x 4 1/8"
ON55 KIT	Strap and 2 each #ON55 3/4" thick foam containers inside dimension 20 1/2" x 12 1/2" x 5 1/8"

## CARRYING STRAPS



OSHA standard biohazard transport specimen bags with separate pocket for related paperwork. This pocket provides protection from leakage of contents to paperwork and personnel simultaneously. These bags are available with or without print. Available bag closures include a zipper for repeated access or a hot-melt peel away strip.

### PRINTED BAGS WITH BIOHAZARD LOGO

PART #	SPECIMEN BAGS	SIZE W x L	WT. PER 1M
533	2 Mil with pocket zipper	6" x 6"	14.3 lbs.
536	2 Mil with hot-melt peel away strip	6" x 9"	12.2 lbs.
534	2 Mil with pocket zipper	6" x 9"	15.6 lbs.
535	2 Mil with pocket zipper	8" x 10"	20.8 lbs.

### PLAIN BAGS NO PRINTING (NOT SHOWN)

PART #	SPECIMEN BAGS	SIZE W x L	WT. PER 1M
538	2 Mil with pocket zipper	6" x 6"	14.3 lbs.
539	2 Mil with pocket zipper	6" x 9"	15.6 lbs.
540	2 Mil with pocket zipper	8" x 10"	20.8 lbs.

## LOC-TOP SPECIMEN TRANSPORT BAGS





# CAN SHIPPERS (NON-HAZARDOUS LIQUIDS)



## CAN SHIPPERS

Can Foam Caps are ideal to prevent shock and impact damage when shipping canned items. Fits large #10 or gallon cans, also the new convenient #2 shippers.

- Drop safe
- Safe shipment of fragile containers
- Great presentation

## BOXES - 275#/ECT-44

PART #	INSIDE DIMENSIONS L x W x H	DESCRIPTION	QTY BUNDLE /BALE	WEIGHT BUNDLE
KD1013PL	5 3/8" x 5 3/8" x 6 3/8"	1 qt./plain up arrow	25/375	21 lbs.
KD1014PL	10 3/4" x 5 3/8" x 6 3/8"	2-1 qt./plain up arrow	25/375	31 lbs.
KD1015PL	10 5/8" x 10 3/8" x 6 3/8"	4-1 qt./plain up arrow	25/750	19 lbs.
KD1016PL	8 1/8" x 8 1/8" x 10 1/8"	1 gal./plain up arrow	25/750	17 lbs.
KD1017PL	17 1/8" x 8 1/8" x 10 1/8"	2-1 gal./plain up arrow	25/500	25 lbs.
KD1018PL	17 1/8" x 17 1/8" x 10 1/8"	4-1 gal./plain up arrow	25/250	47 lbs.

## FOAM CAN CAP

PART #	DESCRIPTION	QUANTITY PER BUNDLE
1031	1 Quart Round	125 SETS
1029	1 Gallon Round	50 SETS



**1031 QUART  
FOAM CAN CAP**



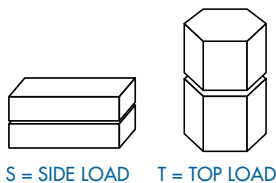
**1029 GALLON  
FOAM CAN CAP**

# BOTTLE SHIPPERS (NON-HAZARDOUS LIQUIDS)



Shipper is responsible for selecting appropriate packaging for use with contents. Consult appropriate regulations.

Polar Tech's complete protective bottle selection totally encapsulates bottles and contents for maximum protection during the shipping cycle.



S = SIDE LOAD T = TOP LOAD

PART #	TOP / SIDE	BOTTLE SIZE (OUNCES)	VOLUME
702	S	2 oz.	60 ml
704	S	4 oz.	125 ml
708	T/S	1/2 Pint (8 oz.)	250 ml
716	T/S	0.5 Liter (16.9 oz.)	500 ml
732	T/S	Quart (32 oz.)	1,000 ml
733	T	Liter (33.8 oz.)	1,000 ml
780	T	2.5 Liter (84 oz.)	2,500 ml
784	T	2.5 Liter – 4 pack (84 oz.)	4 x 2,500 ml
790	T	Gallon (128 oz.)	3,785 ml
792	T	Pharmaceutical Gallon	128 oz.
761	T	0.5 Liter – 6 pack (16.9 oz.)	6 x 500 ml
NS7	T	5 Gallon bucket	N/A

## SAFEWAY™ SERIES BOTTLE SHIPPERS

- Economical EPS foam shippers for non-hazardous liquids
- Maximum protection from breakage, excellent shock absorbency, holds bottles secure during shipping
- Two piece molded construction with interlock seams, fit top and bottom sections for a tight seal and tape together in the pre-formed tape grooves.
- Laboratory tested and accepted for use by UPS and common carriers
- Full selection accommodates most all styles of bottles
- Reusable and recyclable

# CAN SHIPPERS (HAZARDOUS LIQUIDS)

## HAZARDOUS MATERIALS PAINT CAN FOAM SHIPPER KITS



### EVERYTHING YOU NEED IN A CONVENIENT KIT!

- UN/USA D.O.T. APPROVED CONTAINERS
- Accepted and recommended by major freight carriers
- Includes: pre-assembled carton, paint can with lid, foam inserts and a locking ring

In accordance with CFR 49 178.601B shipper is responsible for choosing the correct packaging for product and for final closure. CONSULT APPROPRIATE REGULATIONS.

PART #	INSIDE DIMENSIONS L x W x D (INCHES)	HOLDS	MATERIAL	UN NUMBER	QTY PER CASE
HAZ1036	5 3/8" x 5 3/8" x 6 3/8"	1-1 Quart Paint Can	275#/ECT-44	4G/Y1.8/S	48
HAZ1037	10 3/4" x 5 3/8" x 6 3/8"	2-1 Quart Paint Cans	275#/ECT-44	4G/Y3.5/S	24
HAZ1038	10 5/8" x 10 3/8" x 6 3/8"	4-1 Quart Paint Cans	275#/ECT-44	4G/Y7/S	12
HAZ1039	8 1/8" x 8 1/8" x 10 1/8"	1-1 Gallon Paint Can	275#/ECT-44	4G/Y6.8/S	32
HAZ1040	17 1/8" x 8 1/8" x 10 1/8"	2-1 Gallon Paint Cans	275#/ECT-44	4G/Y13.4/S	6
HAZ1041	17 1/8" x 17 1/8" x 10 1/8"	4-1 Gallon Paint Cans	275#/ECT-44	4G/Y26.8/S	3

## HAZARDOUS MATERIALS F-STYLE CAN FOAM SHIPPER KITS



### THE INDUSTRY STANDARD FOR SHIPPING SOLVENTS, THINNERS AND PAINTS!

- UN/USA D.O.T. APPROVED CONTAINERS
- Accepted by domestic and international carriers
- Includes: pre-assembled carton, F-style can with cap and foam inserts

In accordance with CFR 49 178.601B shipper is responsible for choosing the correct packaging for product and for final closure. CONSULT APPROPRIATE REGULATIONS.

PART #	INSIDE DIMENSIONS L x W x D (INCHES)	HOLDS	MATERIAL	UN NUMBER	QTY PER CASE
HAZ1042	8 5/8" x 5 13/16" x 12 3/8"	1-1 Gallon F-Style Can	275#/ECT-44	4G/Y6.7/S	32
HAZ1043	11 5/8" x 8 5/8" x 12 3/8"	2-1 Gallon F-Style Cans	275#/ECT-44	4G/Y13.3/S	16
HAZ1044	16 1/8" x 11 1/8" x 12 3/8"	4-1 Gallon F-Style Cans	275#/ECT-44	4G/Y26.5/S	8

# CAN SHIPPERS (HAZARDOUS LIQUIDS)

## BULK SUPPLIES FOR FOAM SHIPPER KITS

- Convenient bulk purchases
- Save space
- Store compact and flat
- Maximum protective packaging

## BULK SHIPPING BOXES – MATERIAL 275#/ECT-44

PART #	INSIDE DIMENSIONS L x W x D (INCHES)	HOLDS	UN NUMBER	BUNDLE QTY
HAZ1013	5 3/8" x 5 3/8" x 6 3/8"	1 -1 Quart Paint Can	4G/Y1.8/S	25
HAZ1014	10 3/4" x 5 3/8" x 6 3/8"	2 -1 Quart Paint Cans	4G/Y3.5/S	25
HAZ1015	10 5/8" x 10 3/8" x 6 3/8"	4 -1 Quart Paint Cans	4G/Y7/S	25
HAZ1016	8 1/8" x 8 1/8" x 10 1/8"	1 -1 Gallon Paint Can	4G/Y6.8/S	25
HAZ1017	17 1/8" x 8 1/8" x 10 1/8"	2 -1 Gallon Paint Cans	4G/Y13.4/S	25
HAZ1018	17 1/8" x 17 1/8" x 10 1/8"	4 -1 Gallon Paint Cans	4G/Y26.8/S	10
HAZ1019	8 5/8" x 5 13/16" x 12 3/8"	1 -1 Gallon F-Style Can	4G/Y6.7/S	20
HAZ1020	11 5/8" x 8 5/8" x 12 3/8"	2 -1 Gallon F-Style Cans	4G/Y13.3/S	20
HAZ1021	16 1/8" x 11 7/8" x 12 3/8"	4 -1 Gallon F-Style Cans	4G/Y26.5/S	10

## HAZARDOUS MATERIALS BULK SUPPLIES FOR FOAM SHIPPER KITS



## BULK PAINT CANS

PART #	SIZE	STYLE	QTY PER CASE
HAZ1025	1 Quart	Paint Can	36
HAZ1026	1 Gallon	Paint Can	36
HAZ1027	1 Gallon	F-Style Can	40

## BULK FOAM INSERTS

PART #	SIZE	STYLE	QTY PER CASE
HAZ1031	1 Quart	Paint Can	125 SETS
HAZ1029	1 Gallon	Paint Can	50 SETS
HAZ1030	1 Gallon	F-Style Can	80 SETS

## BULK LOCKING RINGS

PART #	SIZE	STYLE	QTY PER CASE
HAZ1034	1 Quart	Paint Can	100
HAZ1035	1 Gallon	Paint Can	100

## CANS, INSERTS AND RINGS





# BOTTLE SHIPPERS (HAZARDOUS LIQUIDS)



The shipper is ultimately responsible for determining the suitability of packaging for use with contents. Consult appropriate regulations.

- Packaging instructions are printed on the carton.
- Amber glass bottles with Teflon lined screw caps.
- Bottles in Kit 761UN are safety coated.
- **Polar Tech's complete protective bottle selection totally encapsulates bottles and contents for maximum protection during the shipping cycle.**
- Kits do not include poly bags, twist ties or absorbents.

## SAFETY™ SERIES UN & DOT COMPLIANCE BOTTLE SHIPPERS

- Certified to meet United Nations and Dept. of Transportation requirements for shipping and transporting dangerous liquids. (excluding class 6.2 infectious substance and class 7 radioactive materials)
- Comes complete, Pre-assembled certified packaging all components included for shipping hazardous materials.
- Certified bottle shippers include EPS foam bottle over packs, heavy duty corrugated shipping cartons and glass bottles with Teflon® lined screw caps. Packaging instructions are printed on the carton..
- In compliance with UN/D.O.T. regulations governing shipments of hazardous materials in these certified approved bottle shippers is contingent on the use of all supplied components.

PART #	BOTTLE SIZE	VOLUME		PKG GROUP	SPECIFIC GRAVITY	UN NUMBER	APPROX. OUTSIDE DIMENSIONS
		OUNCES	ML				
716UN	0.5 Liter	16.9	500	I	2.0	4G/X1.4/S	5 1/2" x 5 3/8" x 11 3/4"
732UN	Quart	32	0.95	I	2.0	4G/X2.6/S	6 1/4" x 6 1/8" x 12 1/2"
733UN	Liter	33.8	1,000	I	2.0	4G/X2.8/S	6 1/4" x 6 1/8" x 12 1/2"
780UN	2.5 Liter	84	2,500	I	2.0	4G/X6.6/S	7 7/8" x 7 7/8" x 16 1/8"
784UN	2.5 Liter	4 x 84	4 x 2,500	I	1.8	4G/X23.5/S	14 3/8" x 14 1/4" x 15 1/2"
790UN	Gallon	128	3,785	I	2.0	4G/X9.7/S	10 5/8" x 10 1/2" x 18"
792UN	4 Liter	135.3	4,000	I	2.0	4G/X10.2/S	10 5/8" x 10 1/2" x 18"
761UN*	Liter	6 x 33.8	6 x 1,000	II	1.0	4G/Y11.2/S	14 1/4" x 10" x 11 3/8"

\* Bottles in Kit 761UN are safety coated.



Poly bags, twist ties or absorbents are also available. These are not required for UN compliance.

# CATEGORY A INFECTIOUS SUBSTANCES

## CATEGORY A INFECTIOUS SUBSTANCES

Packaging for Category A infectious substances must be certified by an independent laboratory as meeting the applicable triple packaging regulations of IATA (for air shipments) and DOT (for domestic ground shipments). In general, the required triple packaging includes: leak-proof 95 kPa primary receptacle(s); leak-proof 95 kPa (14psi) secondary packaging; absorbent material of sufficient quantity to absorb the entire contents of the primary receptacle(s); an itemized list of contents; and a properly labeled shipping carton.

NOTE: The Model shown on this page is the most popular. If this Model does not meet your criteria, contact us for information about other available Models.

LEAD TIME 3-5 BUSINESS DAYS

### PART # AF12 CATEGORY A INFECTIOUS SUBSTANCE – FROZEN



Thermo Chill® Durable Nylon Medical Transport Bag with removable inner partition are convenient for on-site collection and transport of specimens, blood, medications and other temperature sensitive items.

- Washable and easy to clean
- 2 compartment, with removable partition
- Zipper lock closure
- Printed with standard biohazard symbol
- Net mesh lid compartment for papers or use with ICE-BRIX® cold pack

PART #	INSIDE DIMENSIONS L x W x D	OUTSIDE DIMENSIONS L x W x D
1700	10 1/4" x 7 1/4" x 8"	10 3/4" x 7 3/4" x 8 1/2"

## MEDICAL TRANSPORT BAG



# CATEGORY B BIOLOGICAL SUBSTANCES

## CATEGORY B BIOLOGICAL SUBSTANCES

Packaging for substances in this Category must meet the triple packaging regulations of IATA (for air shipments) and DOT (for domestic ground shipments). In general, the required triple packaging includes: leak-proof primary receptacle(s); leak-proof 95 kPa (14psi) secondary packaging; absorbent material of sufficient quantity to absorb the entire contents of the primary receptacle(s); and a properly labeled outer shipping carton.

Polar Tech offers a broad diversity of complete packaging systems (Models) all of which meet the most stringent regulatory requirements for shipping Category B biological substances. Each Model will protect your specimen from damage during shipment and will maintain the required temperature for any specimen which is temperature sensitive.

Select the Model (Ambient, Cool or Frozen) that meets your size and temperature requirements.

NOTE: The Models shown on this page are the most popular. If one of these Models does not meet your criteria, contact us for information about other available Models.

LEAD TIME 3-5 BUSINESS DAYS



Part # BA06 AMBIENT



Part # BA12 AMBIENT



Part # BC06 and BC12 COLD



Part # BF06 and BF12 FROZEN

PART #	COMPLETE D-PAK PACKAGE CONSISTS OF:	CAN SHIP UP TO... (NOT INCLUDED)	TYPE
BA06	4 1/2" x 2 1/2" x 6 3/4" Corrugated Box (no insulation) One Flexible Inner Packaging Packet	6 items measuring up to 16 x 125 mm each OR 3 items measuring up to 1 1/4" D x 6" L OR 2 items measuring up to 2 1/4" D x 2 3/4" L	AMBIENT D-PAK
BA12	9" x 4" x 4" Corrugated Box (no insulation) Two Flexible Inner Packaging Packets	12 vials measuring up to 16 x 125 mm each OR 6 items measuring up to 1 1/4" D x 6" L OR 4 items measuring up to 2 1/4" D x 2 3/4" L	AMBIENT D-PAK
BC06	7" x 7" x 9" Outer Package One Flexible Inner Packaging Packet Two cold gel packs (8oz) are recommended for this package but are purchased separately.	6 items measuring up to 16 x 125 mm each OR 3 items measuring up to 1 1/4" D x 6" L OR 2 items measuring up to 2 1/4" D x 2 3/4" L	COLD D-PAK
BC12	7" x 7" x 13 1/2" Outer Package Two Flexible Inner Packaging Packets Four cold gel packs (8oz) are recommended for this package but are purchased separately.	12 items measuring up to 16 x 125 mm each OR 6 items measuring up to 1 1/4" D x 6" L OR 4 items measuring up to 2 1/4" D x 2 3/4" L	COLD D-PAK
BF06	7" x 7" x 15 1/2" Outer Package One Flexible Inner Packaging Packet After inserting the inner packaging packets, the box cavity must be completely filled with Dry Ice. Approximately 7.5 lbs. of PELLETIZED Dry Ice is required to fill this package cavity, but is NOT included.	6 items measuring up to 16 x 125 mm each OR 3 items measuring up to 1 1/4" D x 6" L OR 2 items measuring up to 2 1/4" D x 2 3/4" L	FROZEN D-PAK
BF12	7" x 7" x 18 1/2" Outer Package Two Flexible Inner Packaging Packets After inserting the inner packaging packets, the box cavity must be completely filled with Dry Ice. Approximately 10 lbs. of PELLETIZED Dry Ice is required to fill this package cavity, but is NOT included.	12 items measuring up to 16 x 125 mm each OR 6 items measuring up to 1 1/4" D x 6" L OR 4 items measuring up to 2 1/4" D x 2 3/4" L	FROZEN D-PAK

# EXEMPT HUMAN SPECIMEN

## EXEMPT HUMAN SPECIMEN

If there is a minimal likelihood that active pathogens are present in a specimen, that specimen can be shipped as an Exempt Human Specimen and the regulations applicable to infectious substance shipments are not applicable. Examples of routine tests that are considered exempt are: blood or urine tests for drugs, alcohol, cholesterol levels, glucose levels, hormone levels and/or prostate specific antigens; tests to monitor organ functions; therapeutic drug monitoring tests; pregnancy tests; and biopsies for cancer.

Polar Tech offers many Exempt Human shipping Models all of which will protect your specimen from damage during shipment and will maintain the required temperature for any specimen that is temperature sensitive.

Select the Model (Ambient, Cool or Frozen) that meets your size and temperature requirements.

NOTE: The Models shown on this page are the most popular. If one of these Models does not meet your criteria, contact us for information about other available Models.

LEAD TIME 3-5 BUSINESS DAYS



Part # BA06 AMBIENT



Part # BA12 AMBIENT



Part # BC06 and BC12 COLD



Part # BF06 and BF12 FROZEN

PART #	COMPLETE DX-PAK PACKAGE CONSISTS OF:	CAN SHIP UP TO... (NOT INCLUDED)	TYPE
EHA06	4 1/2" x 2 1/2" x 6 3/4" Corrugated Box (no insulation) labeled with EXEMPT HUMAN SPECIMEN One Flexible Inner Packaging Packet	6 items measuring up to 16 x 125 mm each OR 3 items measuring up to 1 1/4" D x 6" L OR 2 items measuring up to 2 1/4" D x 2 3/4" L	AMBIENT DX-PAK EXEMPT
EHA12	9" x 4" x 4" Corrugated Box (no insulation) labeled with EXEMPT ANIMAL SPECIMEN Two Flexible Inner Packaging Packets	12 items measuring up to 16 x 125 mm each OR 6 items measuring up to 1 1/4" D x 6" L OR 4 items measuring up to 2 1/4" D x 2 3/4" L	AMBIENT DX-PAK EXEMPT
EHC06	7" x 7" x 9" Outer Package labeled with EXEMPT HUMAN SPECIMEN One Flexible Inner Packaging Packet Two cold gel packs (8oz) are recommended for this package but are purchased separately.	6 items measuring up to 16 x 125 mm each OR 3 items measuring up to 1 1/4" D x 6" L OR 2 items measuring up to 2 1/4" D x 2 3/4" L	COLD DX-PAK EXEMPT
EHC12	7" x 7" x 13 1/2" Outer Package labeled with EXEMPT HUMAN SPECIMEN Two Flexible Inner Packaging Packet Four cold gel packs (8oz) are recommended for this package but are purchased separately.	12 items measuring up to 16 x 125 mm each OR 6 items measuring up to 1 1/4" D x 6" L OR 4 items measuring up to 2 1/4" D x 2 3/4" L	COLD DX-PAK EXEMPT
EHF06	7" x 7" x 15 1/2" Outer Package labeled with EXEMPT HUMAN SPECIMEN One Flexible Inner Packaging Packet After inserting the inner packaging packets, the box cavity must be completely filled with Dry Ice. Approximately 7.5 lbs. of PELLETIZED Dry Ice is required to fill this package cavity, but is NOT included.	6 items measuring up to 16 x 125 mm each OR 3 items measuring up to 1 1/4" D x 6" L OR 2 items measuring up to 2 1/4" D x 2 3/4" L	FROZEN DX-PAK EXEMPT
EHF12	7" x 7" x 18 1/2" Outer Package labeled with EXEMPT HUMAN SPECIMEN Two Flexible Inner Packaging Packet After inserting the inner packaging packets, the box cavity must be completely filled with Dry Ice. Approximately 10 lbs. of PELLETIZED Dry Ice is required to fill this package cavity, but is NOT included.	12 items measuring up to 16 x 125 mm each OR 6 items measuring up to 1 1/4" D x 6" L OR 4 items measuring up to 2 1/4" D x 2 3/4" L	FROZEN DX-PAK EXEMPT



# EXEMPT ANIMAL SPECIMEN

## EXEMPT ANIMAL SPECIMEN

There is a minimal likelihood that active pathogens are present in a specimen, that specimen can be shipped as an Exempt Animal Specimen and the regulations applicable to infectious substance shipments are not applicable. Examples of routine tests that are considered exempt are: blood tests for hormone levels; most urine tests; tests to monitor organ functions; therapeutic drug monitoring tests; pregnancy tests; and biopsies for cancer.

Polar Tech offers many Exempt Animal shipping Models all of which will protect your specimen from damage during shipment and will maintain the required temperature for any specimen that is temperature sensitive.

Select the Model (Ambient, Cool or Frozen) that meets your size and temperature requirements.

NOTE: The Models shown on this page are the most popular. If one of these Models does not meet your criteria, contact us for information about other available Models.

LEAD TIME 3-5 BUSINESS DAYS



**Part # BA06** AMBIENT



**Part # BA12** AMBIENT



**Part # BC06 and BC12** COLD



**Part # BF06 and BF12** FROZEN

PART #	COMPLETE DX-PAK PACKAGE CONSISTS OF:	CAN SHIP UP TO... (NOT INCLUDED)	TYPE
EAA06	4 1/2" x 2 1/2" x 6 3/4" Corrugated Box (no insulation) labeled with EXEMPT ANIMAL SPECIMEN One Flexible Inner Packaging Packet	6 items measuring up to 16 x 125 mm each OR 3 items measuring up to 1 1/4" D x 6" L OR 2 items measuring up to 2 1/4" D x 2 3/4" L	AMBIENT DX-PAK EXEMPT
EAC06	7" x 7" x 9" Outer Package labeled with EXEMPT ANIMAL SPECIMEN One Flexible Inner Packaging Packet Two cold gel packs (8oz) are recommended for this package but are purchased separately.	6 items measuring up to 16 x 125 mm each OR 3 items measuring up to 1 1/4" D x 6" L OR 2 items measuring up to 2 1/4" D x 2 3/4" L	COLD DX-PAK EXEMPT
EAC12	7" x 7" x 13 1/2" Outer Package labeled with EXEMPT ANIMAL SPECIMEN Two Flexible Inner Packaging Packets Four cold gel packs (8oz) are recommended for this package but are purchased separately.	12 items measuring up to 16 x 125 mm each OR 6 items measuring up to 1 1/4" D x 6" L OR 4 items measuring up to 2 1/4" D x 2 3/4" L	COLD DX-PAK EXEMPT
EAFO6	7" x 7" x 15 1/2" Outer Package labeled with EXEMPT ANIMAL SPECIMEN Two Flexible Inner Packaging Packets After inserting the inner packaging packets, the box cavity must be completely filled with Dry Ice. Approximately 7.5 lbs. of PELLETIZED Dry Ice is required to fill this package cavity, but is NOT included.	6 items measuring up to 16 x 125 mm each OR 3 items measuring up to 1 1/4" D x 6" L OR 2 items measuring up to 2 1/4" D x 2 3/4" L	FROZEN DX-PAK EXEMPT
EA12	7" x 7" x 18 1/2" Outer Package labeled with EXEMPT ANIMAL SPECIMEN Two Flexible Inner Packaging Packets After inserting the inner packaging packets, the box cavity must be completely filled with Dry Ice. Approximately 10 lbs. of PELLETIZED Dry Ice is required to fill this package cavity, but is NOT included.	12 items measuring up to 16 x 125 mm each OR 6 items measuring up to 1 1/4" D x 6" L OR 4 items measuring up to 2 1/4" D x 2 3/4" L	FROZEN DX-PAK EXEMPT

## ECONOMICAL PALLET COVERS



### INSULATED PALLET COVER (PCEB) – LIGHT DUTY

Cover pallet of perishables for short term freight shipments with reflective thermal protection. Extend shipping to medium term with ICE-BRIX® saddle bag or Cold Pocket cold pack system, with a curtain of cold™ to uniformly extent perishable products for additional 24 hours or more. Secure with tape or stretch film.

- Effective reflective barrier
- 3/16" metalized bubble
- Reuseable

### ECONOMICAL PALLET COVER (PCEL) – LIGHT MEDIUM DUTY

Provides short term thermal protection for pallets of perishables. Light medium duty pallet covers are constructed from metalized film laminated to polyethylene foam. Features a large document pocket and easily covers top and sides of pallet. Secure with clear tape or stretch film.

For an additional 24 hour shipping use ICE-BRIX® saddle bag cold wrap or Cold Pocket™ system to apply a curtain of cold™ to the pallet of perishables.

- Reflective Insulation
- Moisture barrier
- Document pocket
- Cost effective
- Reusable



### RUBBER BANDS (3 SIZES AVAILABLE)

PART #	DIMENSIONS	QTY/PER BAG
1301	3/4" x 72"	1
1401	3/4" x 84"	1
1501	3/4" x 92"	1

### ECONOMICAL PALLET COVERS

NEW PART #	SIZE L x W x H	COLOR	QTY
PCEB	48" x 40" x 48" (Light weight)	Silver	Each
PCEL	50" x 42" x 49" (Light Medium weight)	Silver	Each

# INSULATED PALLET COVERS

## MEDIUM AND HEAVY DUTY PALLET COVERS



### TEST AND COMPARE

- Ultimate in temperature uniform stability
- Refrigerant Saddle Bags controls the entire stability process
- Maximum temperature sensitive protection for bulk transport of refrigerated or frozen products even under extreme ambient conditions for up to 6 days
- Reusable
- Recyclable



### GORT INSULATED PALLET COVERS

Insulated Pallet Cover Systems — Light, Medium, Heavy Duty Choices. ICE-BRIX® Saddle Bag and/or Cold Pocket™ refrigerant/frozen systems fully wrap and enclose your perishables with a curtain of cold™. Unless you completely cover your product, the only thing keeping your product cold... is the product itself.

### MEDIUM DUTY INSULATED PALLET COVERS

PART #	SIZE L x W x H	COLORS
PCM33	42" x 50" x 33"	Red
PCM48	42" x 50" x 48"	Red
PCM72	42" x 50" x 48-72" (Adjustable)	Red

### HEAVY DUTY PALLET COVER

PART #	SIZE L x W x H	COLORS
PCH	42" x 50" x 48"	Grey

### OPTIONAL PALLET COVER SYSTEM COMPONENTS

PART #	DESCRIPTION
BC.60 – BC.130	Barrier pallet bag
BC.60 – BC.130	Barrier pallet cover
SB24	ICE-BRIX® Saddle Bag refrigerant
CP12	Cold Pocket Saddle wrap (refrigerant packs or dry ice)
1300	Insulated bottom pallet pad <b>NOT IN STOCK*</b>
1301 – 1401 – 1501	Large pallet rubber band – hold refrigerant wrap in position

**\* NOT IN STOCK CUSTOM QUANTITIES AVAILABLE UPON REQUEST, LARGER MINIMUMS APPLY.**

### Pallet Cover Duffle Bag

Ideal for return of pallet cover, clean and undamaged. Store till needed – Send duffle bag with shipment for a safe return system. Protect your investment. **Part No. PCDB**



# GORT REFRIGERATED/FROZEN TRANSPORT

## "THE WEEK THE TEMPERATURE STOOD STILL"

- Ultimate in uniform temperature stable assurance
- Tamper resistant
- Rugged construction
- Engineered to be superior

Available in short, medium and tall. Constructed of rugged double wall corrugated, tight fitting 3" EPS foam insulation with inter locking corners, and bulk container barrier bag. Comes preassembled. ICE-BRIX® Saddle bag and or Cold Pocket™ refrigerant systems fully wraps and protects perishable. **TEST AND COMPARE**

- Refrigerant Saddle Bags control the entire stability process
- Maximum temperature sensitive protection for bulk transport of refrigerated or frozen products even under extreme ambient conditions for up to 6 days
- Reusable, recyclable

PART #	INSIDE DIMENSIONS L x W x D	OUTSIDE DIMENSIONS L x W x D	WALL THICKNESS	EMPTY WEIGHT
GORT104	40" x 32" x 25"	47 3/4" x 39 3/4" x 32 1/4"	3"	29 lbs.
GORT110	40" x 32" x 41 1/2"	47 3/4" x 39 3/4" x 49"	3"	34 lbs.
GORT112	42" x 33" x 51 1/2"	48" x 40" x 58"	3"	39 lbs.

- Optional plastic pallets — please inquire
- Custom sizes available
- Optional insulation panel thickness
- Weight shown without pallet

## OPTIONAL PALLET COVER SYSTEM COMPONENTS

PART #	DESCRIPTION
BC.60 – BC.130	Barrier pallet bag
BC.60 – BC.130	Barrier pallet cover
SB24	ICE-BRIX® Saddle Bag refrigerant
CP12	Cold Pocket™ Saddle wrap (refrigerant packs or dry ice)
1300	Insulated bottom pallet pad <b>NOT IN STOCK*</b>
1301 – 1401 – 1501	Large pallet rubber band – hold refrigerant wrap in position

\* NOT IN STOCK CUSTOM QUANTITIES AVAILABLE UPON REQUEST, LARGER MINIMUMS APPLY.

- Ultimate in temperature uniform stability
- Maximum temperature sensitive protection for bulk transport of refrigerated or frozen products
- Reusable, recyclable

PART #	ICE-BRIX® SADDLE BAG PALLET REFRIGERANTS
SB24	12" x 144" 18 continuous packs, full length cold wrap or cut to desired length

PART #	COLD POCKETS™ CREATE YOUR OWN CURTAIN OF COLD™ WRAP, INSERT EITHER COLD PACKS, DRY ICE SLABS OR BOTH
CP12	12" wide x 144" long 15 pockets per length

(Minimum 4 full wraps) 7 wraps will provide a full curtain of cold coverage for a pallet or bulk transport shipper. You can cut them to a length of your choice to surround your product and keep the cold in place during shipping. Use pallet rubber band part # 1301, 1401 or 1501 to hold the refrigerant against the product during shipping.

## THERMO CHILL® GLOBAL OPTIMUM REFRIGERATED/FROZEN TRANSPORTS



TALL NOT SHOWN

## ICE-BRIX® SADDLE BAGS



SUPERIOR PERFORMANCE IN ALL TYPES OF CONDITIONS



# LABELS – MAILERS AND SMALL PACKAGES

## Pressure Sensitive Permanent Adhesive Labels

### NEW LOW PRICES

These stock shipping, caution and handling labels draws the attention to your valued shipments. Featuring, a permanent adhesive for an aggressive adhesion to corrugated boxes, stretch film and mailers. Caution and handling labels help packages arrive safely.

**500 LABELS PER ROLL - 3" CORE (LABEL DIMENSIONS SHOWN IN INCHES)**



SCL 210 - 3 x 2



SCL 212 - 3 x 2



SCL 211 - 3 x 2



SPL 123 - 2 x 1½



SPL 107 - 2 x 1½  
fluorescent



SPL 108 - 2 x 1½



SPL 121 - 2 x 1½



SPL 105 - 2 x 1½



SCL 213 - 3 x 2



SCL 209 - 3 x 2



SCL 217 - 3 x 2



SCL 218 - 3 x 2



SCL 219 - 2½ x 2



SCL 201 - 2½ x 2½



SCL 206 - 2½ x 2½



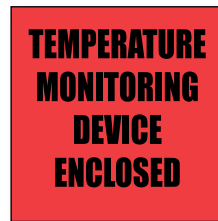
TAL 518 - 2 x 2  
fluorescent



SPL 249 - 2 x 2



SPL 233 - 2 x 2



SCL 528 - 2 x 2



SCL 525 - 2 x 2



SCL 234 - 3 x 3  
fluorescent



SCL 518 - 2" Circle

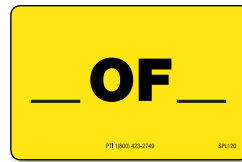
# LABELS – PRODUCTION AND SMALL PACKAGES



SPL 109 - 2 x 1¼



SPL 122 - 2 x 1¼



SPL 120 - 2 x 1¼



SPL 125 - 2 x 1¼



SPL 127 - 2 x 1¼



SPL 124 - 2 x 1¼



SPL 126 - 2 x 1¼



SPL 128 - 2 x 1¼



SPL 135 - 2 x 1¼



SPL 134 - 2 x 1¼



SPL 133 - 2 x 1¼



SPL 132 - 2 x 1¼



SPL 131 - 2 x 1¼



SPL 130 - 2 x 1¼



SPL 129 - 2 x 1¼

## NEW

Solution - to transfer liability to the carriers that damage your shipments. Take digital photos of departing shipment. Label photo verified shows that shipment left your facility in good condition.

**-HANDLE WITH CARE-**  
**PHOTO VERIFIED**  
**THIS SHIPMENT LEFT OUR**  
**DOCK IN PERFECT CONDITION**



**INSPECT FOR DAMAGE**  
**BEFORE ACCEPTING**  
**ANY DAMAGE TO CONTENTS SHOULD BE**  
**NOTED ON BILL OF LADING FOR CLAIM**  
**AGAINST CARRIER. REFERENCE SHIPPERS**  
**PHOTO NO. ON SHIPMENT FOR COPY OF**  
**PHOTO EVIDENCE AND VERIFICATION.**

REF. PHOTO NO.

PTI 1(800) 423-2749

SCL503

SCL 503 – 3½ x 4  
SCL 802 – 5 x 6

**NEW LOW PRICING!**

**FOR SUPERIOR PERFORMANCE IN ALL TYPES OF CONDITIONS.**

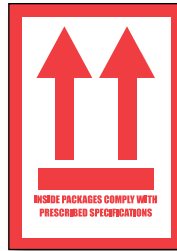
**CALL FOR VOLUME PRICING.**

# UP ARROWS/RUSH/FRAGILE/GLASS LABELS

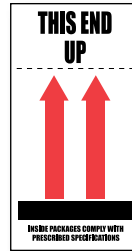
## UP ARROW LABELS

### PRESSURE SENSITIVE PERMANENT ADHESIVE LABELS

All labels shown below are available for immediate shipment.



IATA 406 – 3 x 4 1/4



SCL 904 – 4 x 8



SCL 511R – 3 x 4



SCL 515 – 3 x 5



SCL 546 – 6 1/4 x 3

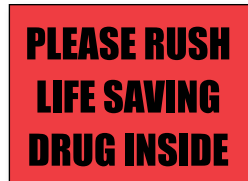


SCL 242 – 4 x 2



SCL 521 – 5 x 3

## RUSH LABELS



TAL 517 – 3 3/4 x 2 3/4



SCL 548 – 4 x 2 3/4



TAL 577 – 4 x 2



SCL 475 – 4 x 4



SCL 825 – 4 x 6



TAL 816 – 4 x 6



TAL 817 – 6 x 4

## FRAGILE/GLASS LABELS



SCL 513 – 4 x 3



SCL 533 – 5 x 3



SCL 516 – 4 x 3



SCL 557 – 5 x 3



SCL 504 – 4 x 3



SCL 206 – 2 1/2 x 2 1/2  
SCL 506 – 4 x 4



SCL 201 – 2 1/2 x 2 1/2  
SCL 501 – 4 x 4



SCL 204 – 4 x 1 1/2

# LABELS - TEMPERATURE AWARENESS

## TEMPERATURE AWARENESS LABELS

### PRESSURE SENSITIVE PERMANENT ADHESIVE LABELS

All labels shown below are available for immediate shipment. We can also custom produce any label to meet your requirements. This is only a partial library of our labels, please ask your customer service representative for our complimentary full label catalog.

**500 LABELS PER ROLL - 3" CORE**  
**(LABEL DIMENSIONS SHOWN IN INCHES)**



SCL 217 - 3 x 2



SCL 218 - 3 x 2



SPL 233 - 2 x 2



SPL 105 - 2 x 1 1/4



SCL 234 - 3 x 3  
fluorescent



TAL 518 - 2 x 2  
TAL 528 - 3 x 3



SCL 534 - 3 x 3



TAL 511 - 3 x 3



TAL 510 - 4 x 4



TAL 544 - 4 x 4



SCL 511 - 4 x 4



TAL 513 - 4 x 3



SCL 596 - 5 x 3



TAL 818 - 4 x 6



TAL 816 - 4 x 6



TAL 817 - 6 x 4



TAL 514 - 5 x 3



SCL 808 - 4 x 6



TAL 507 - 5 x 3



TAL 205 - 4 x 1 1/2



TAL 570 - 4 x 2 3/4



SCL 237 - 4 x 1 1/2



SCL 587 - 5 x 3



# LABELS - SPECIAL HANDLING

**CAUTION  
DRY ICE  
USE HAND  
PROTECTION**

TAL 204 – 2 x 2

**TEMPERATURE  
MONITORING  
DEVICE  
ENCLOSED**

SCL 528 – 2 x 2  
TAL 530 – 4 x 4

**DELICATE  
INSTRUMENTS**

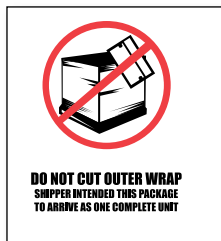


**HANDLE WITH  
GREAT CARE**

SCL 537 – 4 x 4



SCL 935 – 5½ x 4½



SCL 585 – 5 x 6

**MIXED MERCHANDISE  
IN THIS CARTON**

SCL 543 – 6 x 1½

**MIXED MERCHANDISE  
IN THIS CARTON  
CHECK CAREFULLY**

SCL 544 – 6 x 2

**REPORT  
DAMAGE NOW**

NOTE ANY DAMAGE OR DISCREPANCIES ON THE CARRIERS BILL OF LADING. IN CASE OF DAMAGE CALL CARRIERS AGENT AT ONCE FOR INSPECTION AND REQUEST INSPECTION REPORT. DO NOT WRITE US. FIRST NOTIFY THE CARRIER INSTEAD. IF THIS PRECAUTION IS NOT TAKEN WE CANNOT ASSIST YOU IN RECEIVING THE AMOUNT OF CLAIM AGAINST CARRIER. SEND INSPECTION REPORT TO US WHEN NOTIFYING US OF DAMAGE.

SCL 588 – 5 x 2½

**SAMPLE**

SCL 253 – 4 x 1½

**REUSABLE CONTAINER  
DO NOT DESTROY**

SCL 249 – 3 x 1

**TOP LOAD  
ONLY**

SCL 806 – 6 x 4



SCL 833 – 8 x 2

**NON  
HAZARDOUS  
MATERIALS**

SCL 525 – 2 x 2



SCL 422 – 6 x 4

**CAUTION:  
CHEMO-  
THERAPY  
PRODUCTS**

SCL 600 – 3 x 3

**CAUTION  
DO NOT  
X-RAY**

SCL 219 – 2½ x 2  
SCL 523 – 4 x 3



SCL 518 – 2" Circle  
SCL 563 – 3" Circle



SCL 508 – 5 x 3



SCL 829 – 6 x 4

**HOLD AT  
AIRPORT  
FOR PICKUP**  
NOTIFY: \_\_\_\_\_

SCL 532 – 5 x 3



SCL 582 – 4 x 4



SCL 244 – 3½ x 1½



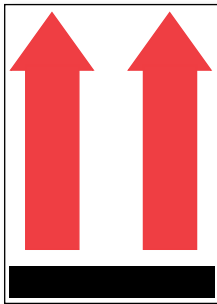
**DURABLE METAL  
LABEL DISPENSER  
SEE PAGE 68**

# INTERNATIONAL/BIOHAZARD LABELS

## INTERNATIONAL PICTORIAL MARKINGS



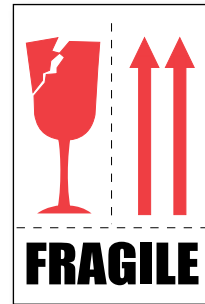
IPM 302 – 3 x 4  
IPM 402 – 4 x 6



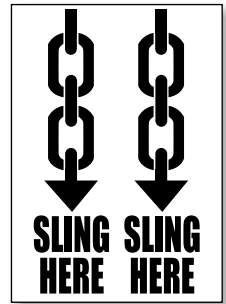
IPM 305 – 3 x 4  
IPM 405 – 4 x 6



IPM 301 – 3 x 4  
IPM 401 – 4 x 6



IPM 419 – 4 x 6



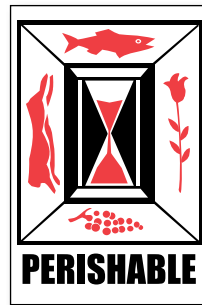
IPM 307 – 3 x 4  
IPM 407 – 4 x 6



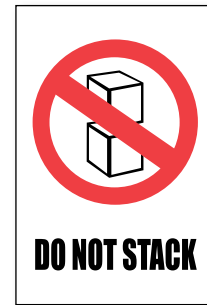
IPM 304 – 3 x 4  
IPM 404 – 4 x 6



IPM 303 – 3 x 4



IPM 313 – 3 x 4  
IPM 413 – 4 x 6



IPM 309 – 3 x 4  
IPM 409 – 4 x 6



IPM 322 – 3 x 4  
IPM 422 – 4 x 6



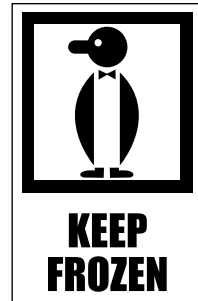
IPM 418 – 4 x 6



IPM 315 – 3 x 4  
IPM 415 – 4 x 6



IPM 316 – 3 x 4  
IPM 416 – 4 x 6



IPM 314 – 3 x 4  
IPM 414 – 4 x 6



IPM 317 – 4 x 4  
IPM 417 – 4 x 6

## BIOHAZARD WARNING LABELS

OSHA requires that warning labels be affixed to containers used to store, transport or ship blood or other potentially infectious materials. These fluorescent orange labels meet OSHA marking requirements 29 CFR 1910 & 1030. 3 x 3 inches

**Product # HML 440 - English**

**Product # HML 441 - Spanish**

**500 per roll, English or Bilingual**



HML 440



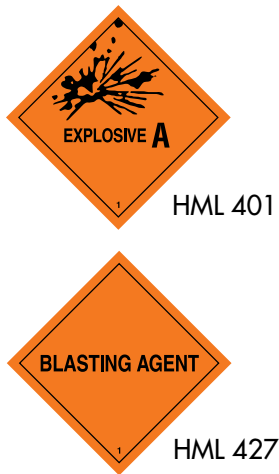
HML 441

# LABELS D.O.T. AND INTERNATIONAL

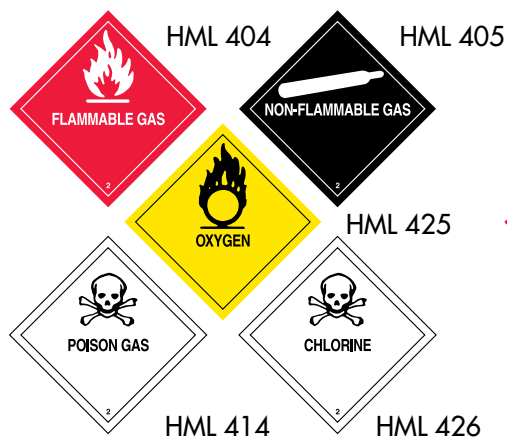
## HAZARD LABELS

Our international labels comply with IATA and UN recommendations for the transport of dangerous goods. All are pressure sensitive, 100mm x 1mm (4 x 4). Labels shown are paper with permanent pressure sensitive adhesive. All are available in rolls of 500. This is only a partial list of labels, please request a full catalog.

### HAZARD CLASS 1 EXPLOSIVES



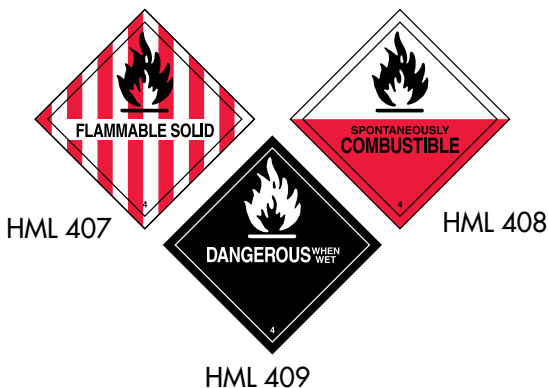
### HAZARD CLASS 2 GASES



### HAZARD CLASS 3 FLAMMABLE LIQUIDS



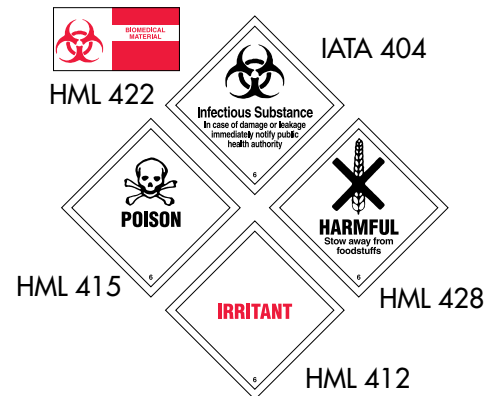
### HAZARD CLASS 4 FLAMMABLE SOLIDS



### HAZARD CLASS 5 OXIDIZER & ORGANIC PEROXIDE



### HAZARD CLASS 6 POISONOUS & ETIOLOGICAL



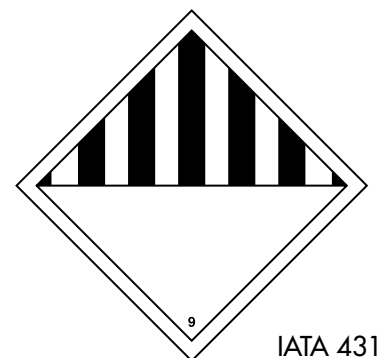
### HAZARD CLASS 7 RADIOACTIVE



### HAZARD CLASS 8 CORROSIVE



### HAZARD CLASS 9 MISCELLANEOUS DANGEROUS GOODS

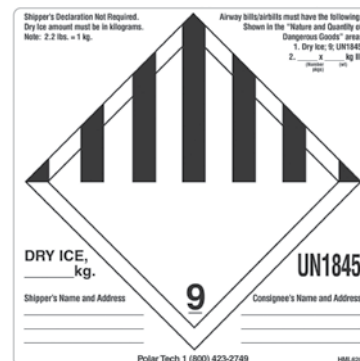


# DRY ICE & BIOHAZARDOUS LABELS

## MISCELLANEOUS DANGEROUS GOODS DRY ICE LABELS

This label complies with Federal Express labeling and marking recommendations for shipments containing dry ice. 5 ½ x 5 ½ inch gloss paper, pressure sensitive label, 500 per roll. Personalized label with name & address of shipper or consignee available upon request.

**PART # HML628**



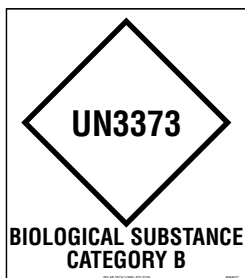
## BIOHAZARDOUS AND SUBSTANCE CATEGORY B LABELS

Depending on the type of packaging selected to transport Biological Specimens, there are mandatory markings that must appear on the outer packaging according to DOT and IATA regulations. Please refer to IATA Packing Instruction 650 for more details.

### GENERAL REQUIREMENTS

Diagnostic specimens must be packed in good quality packaging, which must be strong enough to withstand the shocks and loadings normally encountered during transport, including trans-shipment between transport units and between transport units and warehouses as well as any removal from a pallet or overpack for subsequent manual or mechanical handling. Packaging must be constructed and closed so as to prevent any loss of contents when prepared for transport which might be caused under normal conditions of transport, by vibration or by changes in temperature, humidity or pressure.

Primary receptacles must be packed in secondary packaging in such a way that, under normal conditions of transport, they cannot break, be punctured or leak their contents into the secondary packaging. Secondary packaging must be secured in outer packaging with suitable cushioning material. Any leakage of the contents must not substantially impair the protective properties of the cushioning material or of the outer packaging.



BHM527 – 3 ½ x 4



BHM310 – 2 ½ x 2



BHM314 – 3 x 2



BHM311 – 3 ½ x 1



BHM312 – 3 ½ x 1



BHM313 – 2 x ¾

## LIST OF CONTENTS CARD

IATA Packing Instruction 650 requires "an itemized list of contents" card as part of the packaging instruction. This card should be placed between the secondary packaging and the outer packaging.

Polar Tech's standardized list of contents card is available in any printed quantity requested. If you require a custom card for your particular components, please contact Polar Tech for a quotation.

Stock card size is 4.25" x 2.75" 100 per pack

List of Contents	
This item list must be placed between the secondary receptacle(s) and outer packaging in accordance with IATA Packing Instructions 650.	
___ Specimens	___ Absorbent Pad(s)
<input type="checkbox"/> Human	___ Requisition
<input type="checkbox"/> Animal	___ Instruction Sheet
___ Glass and/or Plastic Tubes	___ Transport Media or Preservative
___ Glass Slides/Slide Mailer	___ Dry Ice
___ Tube Separator Bag(s)	___ Gel Pack/Refrigerant
___ Secondary Container/Canister	___ Other
Polar Tech Industries, Inc. PC00200	

PC00200 – 4 ¼ x 2 ¾

SECURITY BOX SEAL	
DATE:	SIGNATURE OF COLLECTOR
PT. INITIALS:	
POLAR TECH 1 (800) 423-2749 BHM201	

BHM201 – 1 ¾ x 2 ½



# COLDMARK AND WARMMARK TEMP INDICATORS



## COLDMARK™ FREEZE INDICATORS

ColdMark™ Freeze Indicators are the ideal way of assuring your products have not been exposed to cold temperatures. Guaranteed to work within + or - 1°C degree of it's response temperature. You know at a glance if your product has been exposed to freezing temperatures in transit (shipping) or storage. The highest degree of accuracy in the industry, providing a permanent record that assures your product's integrity and quality. Our courteous customer service professionals will answer any questions you might have on our quality line of temperature indicator recorder products.

- Assure the quality of refrigerated pharmaceuticals, chemicals, film, medical devices and electronics
- Provides an accurate visual record of damaging low temperature conditions
- Record conditions at a critical temperature
- Easy to use

PART #	DESCENDING	QTY PER CASE
518	COLDMARK (-3° C/-26° F)	100
519	COLDMARK (0° C/32° F)	100
520	COLDMARK (2° C/36° F)	100
522	COLDMARK (5° C/41° F)	100
523	COLDMARK (10° C/50° F)	100

A clear colorless bulb indicates no exposure at or below response temperature.

Capillary tube packaged in a foam piece, with a PVC top covering and cardboard underside.

Peel off back liner



Pressure sensitive adhesive for mounting ColdMark™ onto your product.



Violet indicates exposure at or below response temperature.



## WARMMARK™ TEMPERATURE TAGS

WarmMark™ time temperature tags leave you in control even after your product has been shipped. Your customers know at a glance if the product has been exposed to abusive temperatures during shipping or storage. The WarmMark™ tag accurately (+ or - 1°C) indicates if your product has been exposed to heat above a selected temperature. Please contact our customer service representative for more details.

PART #	THRESHOLD TEMP.	RUN-OUT TIME			QTY PER CASE
		BRIEF	MODERATE	PROLONGED	
501	WARMMARK (-18° C/0° F)	1 HOUR	3 HOURS	12 HOURS	100
502	WARMMARK (0° C/32° F)	2 HOURS	12 HOURS	48 HOURS	100
505	WARMMARK (8° C/46° F)	2 HOURS	12 HOURS	48 HOURS	100
506	WARMMARK (10° C/50° F)	2 HOURS	12 HOURS	48 HOURS	100
504	WARMMARK (20° C/68° F)	2 HOURS	12 HOURS	48 HOURS	100
503	WARMMARK (5° C/41° F)	30 MINUTES	2 HOURS	8 HOURS	100
509	WARMMARK (25° C/77° F)	30 MINUTES	2 HOURS	8 HOURS	100
510	WARMMARK (30° C/86° F)	30 MINUTES	2 HOURS	8 HOURS	100
507	WARMMARK (37° C/99° F)	30 MINUTES	2 HOURS	8 HOURS	100
506/LR	WARMMARK LONG-RUN (10° C/50° F)				100
512/LR	WARMMARK LONG-RUN (31° C/88° F)				100



# FOAM CORNERS AND EDGE PROTECTORS



Molded expanded polystyrene foam, corner and edge protectors are specifically designed to protect your products.

- Shock barrier
- Protects fragile items in an air cell
- Protect corners and edges
- Use glue dots – hold foam units in place



## CORNER PROTECTORS

PART #	DESCRIPTION		INSIDE DIMENSIONS L x W x D	OUTSIDE DIMENSIONS L x W x D
900	3/4" Foam corner protectors	Square	2 1/4" x 2 1/4" x 2 1/4"	3" x 3" x 3"
901	3/4" Foam corner protectors	Square	3" x 3" x 3"	3 3/4" x 3 3/4" x 3 3/4"
902	1 1/4" Foam corner protectors	Square	3 1/2" x 2 3/4" x 2"	4 7/8" x 4" x 3 1/4"
903	3/4" Foam corner protectors	Triangle	3" x 3" x 4 1/4"	4 1/2" x 4 1/2" x 6 3/8"
904	1 1/2" Foam corner protector	Square	3 3/4" x 3 3/4" x 2 1/4"	5 1/4" x 5 1/4" x 5 1/4"



## EDGE PROTECTORS

PART #	DESCRIPTION		INSIDE DIMENSIONS L x W x D	OUTSIDE DIMENSIONS L x W x D
905	3/4" Edge protector 6" snap away sections	OPEN END	24" x 2 1/4" x 2 1/4"	24" x 3" x 3"
906	3/4" Edge protector 6" snap away sections	CLOSED END	22 1/2" x 2 1/2" x 2 1/2"	24" x 3" x 3"
907	1" Edge protector 6" snap away sections	OPEN END	24" x 2" x 2"	24" x 3" x 3"
908	1" Edge protector 6" snap away sections	CLOSED END	22" x 2" x 2"	24" x 3" x 3"
909	1" Edge protector 9" snap away sections	OPEN END	36" x 2 3/4" x 2 3/4"	36" x 3 3/4" x 3 3/4"
910	1" Edge protector 9" snap away sections	CLOSED END	34" x 2 3/4" x 2 3/4"	36" x 3 3/4" x 3 3/4"
911	1 1/4" Edge protector 9" snap away sections	OPEN END	36" x 2 1/2" x 2 1/2"	36" x 3 3/4" x 3 3/4"
912	1 1/4" Edge protector 9" snap away sections	CLOSED END	33 1/2" x 2 1/2" x 2 1/2"	36" x 3 3/4" x 3 3/4"
913	1 1/2" Edge protector 9" snap away sections	OPEN END	36" x 2 1/2" x 2 1/2"	36" x 3 3/4" x 3 3/4"
914	1 1/2" Edge protector 9" snap away sections	CLOSED END	34" x 2 3/4" x 2 3/4"	36" x 3 3/4" x 3 3/4"

# CORRUGATED BOXES

**FREE CORRUGATED PUZZLE  
WITH ALL ORDERS.**



**IF YOU DON'T SEE IT  
WE CAN GET IT**



**IN-STOCK FOR IMMEDIATE SHIPPING!**



**PRINTED CUSTOM BOXES  
CALL FOR QUOTE**

**In-Stock for immediate shipping.** *Lets build a powerful partnership. If you require a size that we don't have listed, we can get it and would like to stock the sizes to serve you BEST.*

## CORRUGATED BOXES

PART #	INSIDE DIMENSIONS L x W x H	USE WITH	QTY BUNDLE/BALE	WEIGHT BUNDLE
KD555	5" x 5" x 5"		25/1800	5 lbs.
KD5510	5" x 5" x 10"		25/1200	8 lbs.
KD865	8" x 6" x 5"	Box liner	25/1200	8 lbs.
KD888	8" x 8" x 8"	Box Liner	25/900	12 lbs.
KD1087	10" x 8" x 7"		25/500	15 lbs.
KD101010	10" x 10" x 10"	Box Liner	25/500	19 lbs.
KD12109	12" x 10" x 9"	Box Liner	25/500	20 lbs.
KD121212	12" x 12" x 12"	Box Liner	25/500	27 lbs.
KD13136	13" x 13" x 6"		25/500	34 lbs.
KD13138	13" x 13" x 8"		25/500	20 lbs.
KD141210	14" x 12" x 10"		25/500	27 lbs.
KD141414	14" x 14" x 14"	Box Liner	25/250	38 lbs.
KD15104	15" x 10" x 4 1/2"	Pulp wine 2 bottle	25/150	31 lbs.
KD15108	15" x 10" x 8 3/4"	Pulp wine 4 bottle	25/150	33 lbs.
KD1665	16" x 6 1/2" x 5 3/4"	Pulp wine 1 bottle	25/150	36 lbs.
KD1688	16" x 8" x 8"		25/500	30 lbs.
KD161414	16" x 14" x 14"		25/300	24 lbs.
KD161616	16" x 16" x 16"	Box Liner	25/125	47 lbs.
KD171412	17" x 14 3/4" x 12 1/2"		25/125	35 lbs.
KD171717	17" x 17" x 17"		25/125	46 lbs.
KD18128	18" x 12" x 8"		25/250	24 lbs.
KD181315*	18" x 13" x 15 1/4"		25/125	42 lbs.
KD181616	18" x 16" x 16"		20/240	43 lbs.
KD181818	18" x 18" x 18"		20/120	48 lbs.
KD19126	19 1/4" x 12 1/4" x 6"	Pulp wine 3 bottle	25/150	32 lbs.
KD19128	19 1/4" x 12 1/4" x 8 1/2"	Pulp wine 6 bottle	25/150	34 lbs.
KD191214	19 1/4" x 12 1/4" x 14"	Pulp wine 12 bottle	25/150	38 lbs.
KD201816	20" x 18" x 16"		10/150	60 lbs.
KD202036	20" x 20" x 36"		10/120	39 lbs.
KD211312	21" x 13" x 12 3/4"		25/125	35 lbs.
KD211412	21 1/4" x 14 1/8" x 12 1/8"		25/125	37 lbs.
KD211616	22" x 16" x 16"		25/125	48 lbs.
KD222218	22" x 22" x 18"		10/150	20 lbs.
KD222220	22" x 22" x 20"		10/120	73 lbs.
KD222222**	22" x 22" x 22"		15/150	29 lbs.
KD231516	23 1/2" x 15 3/8" x 16 1/2"		25/125	49 lbs.
KD2499	24" x 9" x 9"		25/250	66 lbs.
KD241210	24" x 12" x 10"		25/250	32 lbs.
KD241514	24" x 15" x 14"		25/125	45 lbs.
KD241614	24" x 16" x 14"		25/125	48 lbs.
KD241818	24" x 18" x 18"	Box Liner	15/120	40 lbs.

More sizes on the next page.

\* FOL - Full over lap

\*\* Multi depth 22, 20, 18, 16

# CORRUGATED STOCK/Self-SEAL SIDE LOADING BOXES

## CORRUGATED BOXES

PART #	INSIDE DIMENSIONS L x W x H	USE WITH	QTY BUNDLE/BALE	WEIGHT BUNDLE
KD242018	24" x 20" x 18"	Box Liner	10/120	25 lbs.
KD242012	24" x 20" x 12"		25/125	56 lbs.
KD242016	24" x 20" x 16"		25/125	63 lbs.
KD242430	24" x 24" x 30"		10/150	43 lbs.
KD262020	26" x 20" x 20"		10/120	34 lbs.
KD272121	27" x 21" x 21"		25/125	79 lbs.
KD292414	29 3/4" x 24" x 14 5/8"		25/125	82 lbs.
KD362424	36" x 24" x 24"		5/120	24 lbs.



## 275 LB. STOCK BOXES AVAILABLE

PART #	INSIDE DIMENSIONS L x W x H	QTY BUNDLE/BALE	WEIGHT BUNDLE
KD1013PL	5 3/8" x 5 3/8" x 6 3/8"	25/375	21 lbs.
KD716PL	5 1/2" x 5 1/2" x 11 3/4"	25	8 lbs.
KD732PL	6" x 6" x 12 1/2"	25	19 lbs.
KD780PL	7 7/8" x 7 7/8" x 16"	25	29 lbs.
KD1019PL	8 5/16" x 5 3/16" x 12 3/8"	25/750	20 lbs.
KD1016PL	8 1/16" x 8 1/16" x 10 1/8"	25/750	17 lbs.
KD790PL	10 1/2" x 10 1/2" x 18"	25	39 lbs.
KD1014PL	10 3/4" x 5 3/8" x 6 3/8"	25/375	31 lbs.
KD1015PL	10 3/8" x 10 3/8" x 6 3/8"	25/750	19 lbs.
KD1020PL	11 5/8" x 8 3/16" x 12 3/8"	25/500	22 lbs.
KD761PL	14" x 10" x 11 1/4"	25	25 lbs.
KD784PL	14" x 14" x 15 1/2"	25	37 lbs.
KD1021PL	16 1/2" x 11 1/16" x 12 3/8"	25/250	34 lbs.
KD1017PL	17 1/8" x 8 3/16" x 10 1/8"	25/500	25 lbs.
KD1018PL	17 1/4" x 17 1/4" x 10 1/8"	25/250	47 lbs.

**ORDERS SHIPPED FROM  
NEAREST LOCATION**



**LARGE QUANTITIES  
CALL FOR QUOTE**

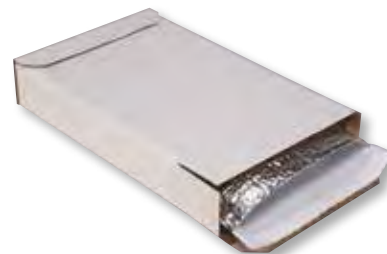
## SELF-SEAL SIDE LOAD BOXES



## SELF-SEAL SIDE LOADING BOXES

Plain version of FED EX Express, UPS, Nextday Air and UPSP Priority Mail boxes.

- Assembles easily no tape or glue required. Adhesive strip, seals flaps securely on both ends of box.
- Ships flat and saves space.
- Tear strip for easy opening
- Tamper evident



PART #	INSIDE DIMENSION L x W x H	MULTI-DEPTH / DESCRIPTION	QTY BUNDLE/BALE
KD10212SL	10 7/8" x 2" x 12 1/4"	Small books/insulated mailers	25/1225
KD11315SL	11 1/4" x 3" x 15 1/8"	Large documents/insulated mailers	25/875
KD12317SL	12 1/2" x 3" x 17 1/2"	Large fold papers/insulated mailers	25/875



# PADDED MAILERS

## KRAFT SELF-SEAL PADDED MAILERS



Self-seal adhesive strip secures bags quickly and easily, saving both time and money.

- Recycled fiber padding inside bag absorbs shock and protects contents from damage
- End flap is coated with a natural rubber adhesive that only sticks to itself

PART # FULL CASE	FULL CASE QTY	PART # 25-PACK	DIMENSIONS (W x L)	NUMBER
1097	100	1102	8 1/2" x 12"	#2
1098	100	1103	8 1/2" x 14 1/2"	#3
1099	100	1104	9 1/2" x 14 1/2"	#4
1100	100	1105	10 1/2" x 16"	#5
1101	50	1106	12 1/2" x 19"	#6

## WHITE SELF-SEAL PADDED MAILERS



Attractive white mailers will impress your customers!

- Self-seal adhesive strip seals bag securely, no additional protective wraps needed
- Fiber lining cushions contents during shipping

PART # FULL CASE	FULL CASE QTY	PART # 25-PACK	DIMENSIONS (W x L)	NUMBER
1107	100	1113	7 1/4" x 12"	#1
1108	100	1114	8 1/2" x 12"	#2
1109	100	1115	8 1/2" x 14 1/2"	#3
1110	100	1116	9 1/2" x 14 1/2"	#4
1111	100	1117	10 1/2" x 16"	#5
1112	50	1118	12 1/2" x 19"	#6

## PADDED MAILERS



Puncture and moisture resistant mailers keep items safe during shipping.

- Interior fibers expand as package is handled for consistent cushioning
- Can be taped or stapled closed

PART #	DIMENSIONS (W x L)	NUMBER	CASE QTY
143	7 1/4" x 12"	#1	100
144	8 1/2" x 12"	#2	100
149	8 1/2" x 14 1/2"	#3	100
145	9 1/2" x 14 1/2"	#4	100
146	10 1/2" x 16"	#5	100
147	12 1/2" x 19"	#6	50

## NEW PRODUCTS

Fit your requirement & budget. Call our professionals for your needs.



COOL BARRIER BUBBLE  
See page 25.



COOL STUFF™  
INSULATED MAILERS  
See page 24.

# HAND STAPLERS, GIFT & WRAPPING TISSUE, NEWSPRINT

Powerful hand stapler with increased leverage and great driving force.

- Good for sealing light-weight shipping cartons
- Holds both 1/4" and 3/8" staples

PART #	DESCRIPTION	CASE QTY
ST1119	Industrial Hand Stapler	1
ST1120	Industrial Sword Point Stapler	1
ST1121	1/4" Deluxe Staples	6,000
ST1122	3/8" Deluxe Staples	5,000

## INDUSTRIAL HAND STAPLERS



Enhance the appearance and add dimension to your packaging with premium quality Tissue Paper.

- Special dyes resist fading and bleeding
- Basis Weight: 10#
- Soft texture on both sides

PART #	SHEET SIZE	COLORS	SHEETS PER CASE
1127	20" x 30"	Royal Blue	480
1128	20" x 30"	Bright Pink	480
1129	20" x 30"	Yellow	480
1130	20" x 30"	Red	480
1131	20" x 30"	Green	480

## GIFT GRADE COLORED TISSUE PAPER



## WRAPPING TISSUE



Crumples easily for packing into small cartons and mailers.

- **Economy Tissue:** Perfect for wrapping glass or other fragile items, basis weight 10#
- **Heavy Tissue:** Economical void-fill, basis weight 15#

### ECONOMY TISSUE (COLOR: WHITE)

PART #	SHEET SIZE	SHEETS PER CASE
1123	20" x 30"	4,800
1124	24" x 36"	2,880

### HEAVY TISSUE (COLOR: ECRU)

PART #	SHEET SIZE	SHEETS PER CASE
1125	20" x 30"	2,300
1126	20" x 36"	1,920

## NEWSPRINT



Economical void-fill. A great stuffer. Unprinted newsprint is made from 100% recycled paper.

- Available sheeted or in rolls
- Roll fits standard paper cutters
- Basis weight: 30#

PART #	SHEET SIZE	WEIGHT PER BUNDLE	SHEETS PER BUNDLE
1137	15" x 20"	50#	2,400
1138	18" x 24"	50#	1,666
1139	20" x 30"	50#	1,200

## CORRUGATED PUZZLES NEW

Die cut corrugated puzzles for assembly

- Enjoy building these 3-D puzzles
- Promotional event hand outs

Call for volume and personalized printed quote.



PART #	DESCRIPTION	QTY/CASE
1550	Bi-Plane	50
1151	Pilgrim Sailing Ship	50

# AIR BUBBLE WRAP AND CELLULOSE WADDING

## AIR BUBBLE CUSHIONING WRAP



### SELF DISPENSING BOX

- Protect fragile items
- Light weight bubbles reduce your shipping cost
- Wraps well around odd shaped items
- Dispenser box keeps the film clean and convenient to use
- Rolls are perforated every 12 inches



PART #	SIZE	BUBBLE
134	12" x 100'	5/16"
135	12" x 175'	3/16"

### INDUSTRIAL SIZE AIR BUBBLE

PART #	BUBBLE	BUBBLE USE	ROLL SIZE	ROLLS
150	3/16"	Lightweight	12" x 750'	4
151	3/16"	Lightweight	24" x 750'	2
152	3/16"	Lightweight	48" x 750'	1
153	1/2"	Void Fill _"	12" x 250'	4
154	1/2"	Void Fill _"	24" x 250'	2
155	1/2"	Void Fill _"	48" x 250'	1

## INDUSTRIAL SIZE AIR BUBBLE



## VERSA-PAK™ CELLULOSE WADDING



### VERSA-PAK MASTER ROLL

- Versatile soft wadding easily wraps any sharp object
- Perforated every 12" and has an additional 6" zip perforation
- Multi-layer wadding absorbs oil and water. Non-abrasive
- Can be reused or recycled

### COLOR: KRAFT, PERFORATED EVERY 12"

PART #	DESCRIPTION	SLIT @	FEET PER ROLL
170	1/4" x 48"	12"	270 feet

### VERSA-PAK DISPENSER PACK

- Versa-Pak in an easy to use dispenser pack
- Great for workstation use. Portable.
- 200 feet per roll
- Color: Kraft, perforated every 12"

PART #	DESCRIPTION	SLIT @
176	1/4" x 12"	12

# HOPPER & PEANUTS, VERMICULITE, WRAP AND CABLE TIES

## LOOSE FILL DISPENSER HOPPER

Squeeze the spring-loaded scissors to release the right amount of loose fill

- Includes rope and 2 pulleys, mounts to warehouse ceiling
- Durable, rot resistant canvas bag has reinforced flexible tubing attached
- Dispenses all types of loose fill packing peanuts

PART #	DESCRIPTION
815	30 Cubic Foot Loose Fill Dispenser
816	60 Cubic Foot Loose Fill Dispenser
817	90 Cubic Foot Loose Fill Dispenser
818	Swivel Valve
819	6" flexible tubing

## PACKING PEANUTS

- Regular FLO-PAK® – the clean peanut no breaks, no crumbling
- Heavy-duty FLO-PAK® – to protect heavier objects
- Biodegradable – packing peanut made from corn starch, dissolves in water



PART #	DESCRIPTION	BAG
100	Regular (FLO-PAK®)	14 cu. ft.
109	Biodegradable	12 cu. ft.

## DISPENSER HOPPER AND PACKING PEANUTS



## VERMICULITE

- Recommended for shipping liquids
- Protects against shock
- 4 cubic foot bags

PART #	GRADE
195	4A Extra Course
196	3A Course
197	2A Medium
198	1A Fine



## ADJUSTABLE STRETCH WRAP DISPENSER - SR550

Designed for stretch wrap on a 1½", 2" or 3" core, this deluxe extra heavy duty steel dispenser works with 16", 18" and 20" high rolls.

- Weight: 3 lbs.
- Core size: 1½", 2", 3"
- Height of roll: 16" – 20"

PART #	DESCRIPTION	CASE QTY
1302	Hand Dispenser	1
1303	18" Stretch Film	4



These versatile fasteners can be used in countless applications wherever you need to bundle wires, cables or hoses. They can be joined together for even large diameters. Have minimum loop tensile strengths from 18 to 120 pounds.

PART #	CROSS SECTION	SIZE L x W	MIN. LOOP TENSILE STRENGTH	BUNDLE DIAMETER	PKG QTY	CASE QTY
668	Minimum	4" x .10"	18 lbs.	0.87"	1,000	25,000
669	Minimum	6" x .10"	18 lbs.	1.25"	1,000	25,000
670	Economy	8" x .14"	40 lbs.	2.00"	1,000	10,000
671	Economy	14" x .14"	40 lbs.	4.00"	1,000	5,000
672	Lt. Heavy	8.4" x .30"	120 lbs.	2.00"	100	3,000
673	Lt. Heavy	14.5" x .30"	120 lbs.	4.00"	50	2,000
674	Lt. Heavy	24" x .30"	120 lbs.	5.00"	50	500

## NYLON CABLE TIES





# ZIPPER-LOCK BAGS, POLY BAGS, BAG SEALER

## ZIPPER-LOCK POLY BAGS



Durable, 2 mil., multi-purpose poly bags allow clear view of contents. Low cost, reusable bags are waterproof and keep dirt and moisture away from contents.

PART #	SIZE W x L	CASE QTY
617	2" x 3"	1,000
616	3" x 3"	1,000
600	3" x 4"	1,000
615	3" x 5"	1,000
614	4" x 4"	1,000
601	4" x 6"	1,000
613	4" x 8"	1,000
612	5" x 7"	1,000
611	5" x 8"	1,000

PART #	SIZE W x L	CASE QTY
602	6" x 6"	1,000
610	6" x 9"	1,000
603	7" x 10"	1,000
604	8" x 8"	1,000
609	8" x 10"	1,000
605	9" x 12"	1,000
608	12" x 15"	1,000
607	16" x 18"	1,000
606	18" x 24"	1,000

## POLY BAGS



Multi-purpose 2 mil polyethylene bags. Ideal for insulated box liners and product/ refrigerant barrier with leak proof feature. Made of virgin polyethylene.

PART #	SIZE W x L	CASE QTY
618	2" x 3"	1,000
619	2" x 8"	1,000
620	3" x 3"	1,000
621	3" x 4"	1,000
622	3" x 5"	1,000
623	3" x 6"	1,000
624	4" x 4"	1,000
625	4" x 5"	1,000
626	4" x 6"	1,000
627	4" x 8"	1,000
628	4" x 12"	1,000
629	5" x 7"	1,000
630	5" x 8"	1,000
631	5" x 12"	1,000
632	6" x 6"	1,000
633	6" x 8"	1,000
634	6" x 9"	1,000
641	6" x 10"	1,000
635	6" x 12"	1,000
636	6" x 16"	1,000
637	7" x 10"	1,000
638	7" x 14"	1,000
640	8" x 8"	1,000

PART #	SIZE W x L	CASE QTY
642	8" x 10"	1,000
649	8" x 12"	1,000
654	9" x 10"	1,000
655	9" x 12"	1,000
656	10" x 12"	1,000
644	10" x 14"	1,000
657	10" x 16"	1,000
658	10" x 18"	1,000
659	12" x 12"	1,000
660	12" x 16"	1,000
661	12" x 18"	1,000
662	12" x 24"	1,000
646	14" x 18"	1,000
663	14" x 24"	1,000
639	14" x 36"	500
647	16" x 20"	1,000
664	18" x 18"	1,000
665	18" x 30"	500
648	22" x 30"	500
645	24" x 26"	200
643	24" x 36"	250
Bag Twist Ties, Coated Wire		
667	Twist Tie 4" L	2,000

## BAG SEALER



These impulse sealers create a 2mm wide seal. Simply push down on the handle, when the indicator light goes out release the handle. The bag is sealed perfectly every time.

PART #	MAX. SEAL LENGTH	MAX. SEAL THICKNESS	WATTS	WEIGHT
1310	8"	4 mil	260W	8 lbs.
1311	12"	5 mil	380W	11 lbs.
1312	16"	6 mil	400W	13 lbs.

# ADHESIVE GLUE DOTS AND DISPENSER

## PRO2-80 HIGH TEMPERATURE (INDUSTRIAL GLUE GUN)

- Ergonomic comfort grip and long trigger
- Protective heat resistant nozzle cover
- Uses standard glue sticks.
- Operating temperature: 380° F
- Detachable wire stand.
- Delivers 2.5 pounds of glue per hour



PART #	GLUE STICK DIAMETER	GLUE STICK LENGTH	WATTS	VOLTS
1052	7/16" Regular	10" and 15"	80	120

## HE-750 HIGH TEMPERATURE (PROFESSIONAL GLUE GUN)

- Ergonomic comfort grip and long trigger
- Uses standard glue sticks.
- Operating temperature: 380° F
- Complete with removal wire stand.
- Ideal choice for light duty industrial and packaging applications.



PART #	GLUE STICK DIAMETER	GLUE STICK LENGTH	WATTS	VOLTS
1150	7/16" Regular	10"	80	120

## PRO8000A QUICK HEATING (INDUSTRIAL GLUE GUN)

- Ergonomic design long trigger for less effort.
- Lighted on and off switch.
- Integrated gun balancer mount hole.
- Heat resistant nozzle cover.
- Dual heaters and 180 watts of heating power that features a 2 minute quick heat up time.
- Stroke adjustment screw allows equal amounts of glue per squeeze.



PART #	GLUE STICK DIAMETER	GLUE STICK LENGTH	WATTS	VOLTS
1053	7/16" Regular	10" and 15"	80	120

## PRO2-220 ADJUSTABLE TEMPERATURE (INDUSTRIAL GLUE GUN)

- Ergonomic finger trigger design for less effort
- Temperature adjustment from 248° F to 428° F
- Integrated gun balancer mount hole
- Lighter On/Off switch
- Stroke adjustment screw – equal amounts of glue
- Includes: extra nozzle, wire stand and stroke adjustment screw.



PART #	GLUE STICK DIAMETER	GLUE STICK LENGTH	WATTS	VOLTS
1151	7/16" Regular	10" and 15"	80	120

## ADHESIVE SPRAY AND GLUE

### SPRAY ADHESIVE PART # 1154

Industrial grade multi-purpose use to bond paper, cardboard, glass, metal, plastic, wood, fabric, floral foam and cork. Permanent or repositionable. Net Weight: 10 oz.



### GLUE PART # 1155

Extra thick glue for superior bonding and flexibility. Bonds to metal, plastic, wood, glass, ceramics, fabric, vinyl. 2.0 fl. oz. tube.

## GLUE DABS

Pre-made pressure sensitive dabs of adhesive - no need to heat up the glue gun. For temporary or permanent assembly applications. 6,000 dabs per box. Each dab is approximately 3/8" in diameter. Available in 4 formulas.



PART #	FORMULA	DESCRIPTION
1145	Low Tack	Temporary bonding; easily removes from surface
1146	Medium Tack	Temporary bonding; removable
1147	High Tack	High strength; still removable from most surfaces
1148	Super High Tack	Permanent bonding to most surfaces



## PERSONAL MINI GLUE GUN KIT

- Includes: dual temperature mini glue gun and 12 - mini (.27") 4" all-temperature glue sticks

PART # 1152

## MINI GLUE GUN GLUE STICKS

- All-Temperature Clear 5/16" Diameter
- All Purpose 4" Glue Stick 100 Sticks Per Bag

PART # 1153



# GLUE STICKS, APPLICATORS, KNIVES & BLADES

## GLUE STICKS

### 601 Low-Melt Glue Sticks

- Fast set time with excellent hot tack
- Low temperature adhesive for sealing corrugated cartons, wood, coated paper and ideal for gluing foam.
- Bonds to most porous materials.



### 701 Fast Set Glue Sticks

- Quick 15 second bonding range
- Hot melt adhesive for packaging and sealing corrugated cartons for medium to larger cartons.
- Bonds to most porous materials such as wood, paper and cloth.

### 725 All-Purpose/All Temperature Glue Sticks

- Works in either low temperature (250°F) or high temperature (380°F)
- Bonds to porous and non porous, ribbon, floral foam, paper, silk flowers and wood
- 60 second bonding range

### 925 Acrylic Hot-Melt Glue Sticks

- Unique high performance adhesive for superior bonding to hard and bond surfaces
- Bonds to concrete, vinyl, metal, rubber, tile, stone, ceramic, leather, melamine, coated papers, foil, wood, nylon, fabric, glass plastics and more
- Bonds in cold and frozen applications
- 60-80 second bonding range

PART #	TYPE	GLUE STICK SIZE	COLORS	QTY PER CASE
1048	Low-Melt 601	7/16" x 15"	Tan	approx. 90
1049	Low-Melt 701	7/16" x 10"	Tan	approx. 90
1050	Hot-Melt 725	7/16" x 10"	Clear	approx. 90
1051	Hot-Melt 925	7/16" x 10"	Clear	approx. 90

## UTILITY KNIVES AND BLADES

### MODEL 1313 CUTTER

All Metal Heavy Duty Safety Spring-Back Blade Utility Knife. Blade notch allows for the cutting of stretch wrap or twine without extending the blade. Uses 1319 Blade.



### MODEL 1314 CUTTER

All Metal Rugged Fully Retractable All Purpose Utility Knife. Multiple blade length settings. Perfect for industrial, maintenance, shipping rooms, construction and anywhere a durable cutter is needed. Uses 1319 Blade.



### MODEL 1315 CUTTER

Industrial Heavy Duty Retractable Snap Off Blade Box Cutter. Ideal for most industrial, maintenance and shipping room applications. Uses Style 1320 Blade.



### MODEL 1316 CUTTER

Ultra Rugged Industrial Retractable Snap Off Blade Box Cutter. Protective and comfortable thick plastic jacket. Constructed for the toughest heavy duty cutting applications. Uses Style 1320 Blade.



### MODEL 1317 CUTTER

All Metal Tap Knife. A lightweight compact all steel slide cutter. The inexpensive blade can be reversed or changed in seconds. Uses Style 1318 Blade.



## REPLACEMENT BLADES



1318



1319



1320

PART #	DESCRIPTION	CASE QTY	REPLACEMENT BLADES	CASE QTY
1313	All Metal Heavy Duty Safety Spring-Back	12	1319	100
1314	All Metal Rugged Fully Retractable	12	1319	100
1315	Industrial Heavy Duty Retractable Snap Off Blade	12	1320	100
1316	Ultra Rugged Industrial Retractable Snap Off Blade	12	1320	100
1317	All Metal Tap Knife	12	1318	100



# PAPER GUM TAPE AND MACHINES, COLD TEMP TAPE

## INTERTAPE REINFORCED PAPER GUM TAPE



Fiberglass reinforced tape is known for its excellent performance in high speed, overfill and underfill applications.

- Consistent adhesive, coating and lamination
- Paper moisturized reduces curl, increases tape stretch & makes tape more flexible
- Larger 1 5/8" diameter cores assure a tighter wind and full roll utilization (no curl)
- Dispenses on all water activated paper gum tape machines

### IPG - ECONOMY GRADE (FOR SEALING 20 LB BOXES)

PART #	W X L	COLOR	ROLLS PER CASE	CASES PER SKID
1087	70mm x 450'	Kraft	10	60
1088	70mm x 450'	White	10	60

### IPG - HEAVY-DUTY GRADE (FOR SEALING 35 LB BOXES)

PART #	W X L	COLOR	ROLLS PER CASE	CASES PER SKID
1078	2 1/2" x 450'	Kraft	12	60
1079	3" x 375'	Kraft	8	75
1080	3" x 375'	White	8	75
1081	3" x 450'	Kraft	10	60
1082	3" x 450'	White	10	60
1083	3" x 500'	Kraft	12	60

## INTERTAPE NON-REINFORCED PAPER GUM TAPE

Secure closure for sealing light-weight cartons.

- Generous 600' roll length means fewer roll changes
- Water activated vegetable adhesive

### IPG - STANDARD GRADE PAPER GUM TAPE

PART #	W X L	COLOR	PAPER WEIGHT	ROLLS PER CASE	CASES PER SKID
1072	2" x 600'	Kraft	60#	15	60
1073	2" x 600'	White	60#	15	60
1074	2 1/2" x 600'	Kraft	60#	12	60
1075	2 1/2" x 600'	White	60#	12	60
1076	3" x 600'	Kraft	60#	10	60
1077	3" x 600'	White	60#	10	60

## INTERTAPE COLD TEMPERATURE CARTON SEALING TAPE



### 7151QT PRODUCTION GRADE COLD TEMPERATURE TAPE

- Recommended in the dairy, meat and frozen food industries, where superior adhesion properties are required for long term storage
- Complies with FDA Act CFR Title 21, Subpart B, Par. 175, 105

PART #	W x L	COLOR	MIL	ROLLS PER CASE	CASE PER SKID
1173	2" x 110 yards	Clear	1.95	36	45
1174	3" x 110 yards	Clear	1.95	24	45
1175	2" x 1,000 yards	Clear	1.95	6	48

## PHOENIX PAPER GUM TAPE MACHINES



### PHOENIX ELECTRIC PAPER GUM TAPE MACHINE

PART #	TAPE WIDTHS	DESCRIPTION
1092	1" - 3"	Electric with Heater
1093		Replacement Brush
1180		Replacement Water Bottle

### PHOENIX MANUAL PAPER GUM TAPE MACHINE

PART #	TAPE WIDTHS	DESCRIPTION
1094	1" - 3"	Manual
1095	1" - 3"	Manual with Heater
1096		Replacement Brush
1181		Replacement Water Bottle



# CARTON TAPE

Super strong, pressure sensitive, polypropylene tape for economical, repetitive, volume packing.

- Hot melt adhesive provides a quiet release, easy unwind and extra elongation for help in sealing irregular shapes
- Excellent performance on over-stuffed cartons
- Adheres well to film
- Application temperatures range 45° – 110° F.
- Service temperatures range 10° – 120° F.

## IPG 400 - 2.1 MIL ACRYLIC CARTON SEALING TAPE

PART #	W x L	COLOR	ROLLS PER CASE	CASES PER SKID
1054	2" x 55 yards	Clear	36	108
1055	2" x 55 yards	Tan	36	108
1056	2" x 110 yards	Clear	36	90
1057	2" x 110 yards	Tan	36	90
1058	3" x 110 yards	Clear	24	90
1059	2" x 1,000 yards	Clear	6	48

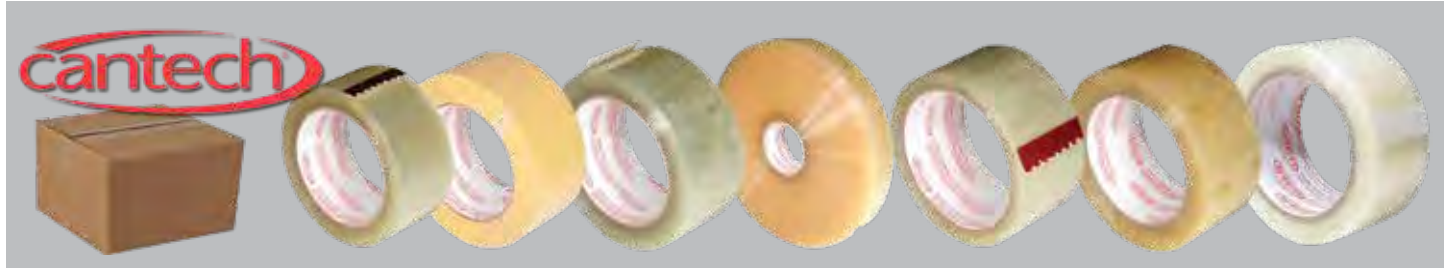
## INTERTAPE® INDUSTRIAL CARTON SEALING TAPE



## IPG 291 - 2.5 MIL ACRYLIC CARTON SEALING TAPE

PART #	W x L	COLOR	ROLLS PER CASE	CASES PER SKID
1066	2" x 55 yards	Clear	36	54
1067	2" x 110 yards	Clear	36	45
1068	2" x 1,000 yards	Clear	6	24

## HOT MELT CARTON SEAL TAPE **NEW**



### 1.6 MIL

PART #	W x L	COLOR	ROLLS PER CASE	LBS. PER CASE
1350	2" x 110 yards	Clear	36	18
1351	3" x 110 yards	Clear	24	22

### 1.8 MIL

PART #	W x L	COLOR	ROLLS PER CASE	LBS. PER CASE
1352	2" x 55 yards	Clear	36	12
1353	2" x 55 yards	Tan	36	12
1354	2" x 110 yards	Clear	36	22
1355	2" x 110 yards	Tan	36	22
1356	3" x 110 yards	Clear	24	22
1357	3" x 110 yards	Tan	24	22

### 2.0 MIL

PART #	W x L	COLOR	ROLLS PER CASE	LBS. PER CASE
1358	2" x 55 yards	Clear	36	14
1359	2" x 55 yards	Tan	36	14
1360	2" x 110 yards	Clear	36	26
1361	2" x 110 yards	Tan	36	26
1362	3" x 110 yards	Clear	24	26
1363	3" x 110 yards	Tan	24	26

- Excellent adhesion to corrugated at varied temperatures
- Easy/Quiet release
- Variety of thicknesses for various carton weights or performances
- Mfg USA and Canada

## SAVE BIG OVER NAME BRAND TAPES

KEEP THE DIFFERENCE IN YOUR BUDGET

### 2.5 MIL

PART #	W x L	COLOR	ROLLS PER CASE	LBS. PER CASE
1364	2" x 55 yards	Clear	36	12
1365	2" x 110 yards	Clear	36	22
1366	3" x 110 yards	Clear	24	22

### 3.0 MIL

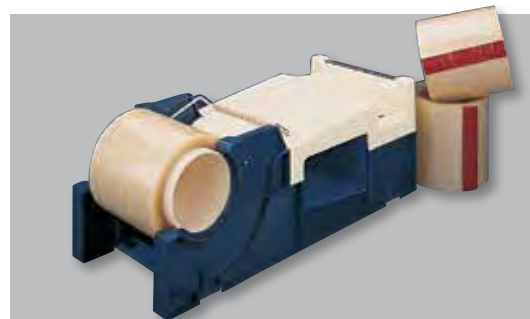
PART #	W x L	COLOR	ROLLS PER CASE	LBS. PER CASE
1367	2" x 55 yards	Clear	36	14
1368	2" x 110 yards	Clear	36	26
1369	3" x 55 yards	Clear	24	22

# LABEL PROTECTION, ALL PURPOSE AND FILAMENT TAPE

- Crystal clear label protection.
- High tack adhesive – aggressively attaches to plastic, paper, and metal
- Ease of application
- Water resistant

PART #	DESCRIPTION	MIL	ROLLS/CASE	LBS/CASE
1181	4" x 72 yards	1.8	18	15
1171	5" x 72 yards	1.8	12	14
1191	6" x 72 yards	1.8	12	17
1192	4" Table Dispenser		1	2
1193	6" Table Dispenser		1	3

## LABEL PROTECTION TAPE



## GENERAL ALL PURPOSE TAPES

PART #	DESCRIPTION	MIL	CARTON QTY	WEIGHT
1327	Masking Tape 3/4" x 60 yards	5.5	48	11 lbs.
1328	Masking Tape 1" x 60 yards	5.5	36	11 lbs.
1329	Masking Tape 2" x 60 yards	5.5	24	14 lbs.
1330	Duct Tape 2" x 60 yards	8.5	24	32 lbs.
1395	Economy Duct Tape 2" x 60 yards	7.0	24	28 lbs.



## PRESSURE SENSITIVE ADHESIVE KRAFT TAPE

- Stronger than masking tape
- No water or dispensers needed
- Just apply by hand
- Easy to use

PART #	DESCRIPTION	TENSILE STRENGTH	ROLLS/CASE	LBS/CASE
1370	2" x 60 yards	50 lb	24	25
1371	3" x 60 yards	50 lb	16	24

## PRESSURE SENSITIVE TAPE



This industrial tape is reinforced with glass filaments for super strength.

- Filament tape is strong yet flexible
- Great for bundling shipments
- Strong adhesive tape holds products together better than string or twine
- Excellent for sealing packages

PART #	W x L	TENSILE STRENGTH	ROLLS PER CASE
1159	1/2" x 60 yards	110 lbs./in. width	72
1160	1/2" x 60 yards	110 lbs./in. width	18
1161	3/4" x 60 yards	110 lbs./in. width	48
1162	3/4" x 60 yards	110 lbs./in. width	12
1163	1" x 60 yards	110 lbs./in. width	36
1164	1" x 60 yards	110 lbs./in. width	9
1165	2" x 60 yards	110 lbs./in. width	24
1166	2" x 60 yards	110 lbs./in. width	6

## INDUSTRIAL FILAMENT TAPE DISPENSERS

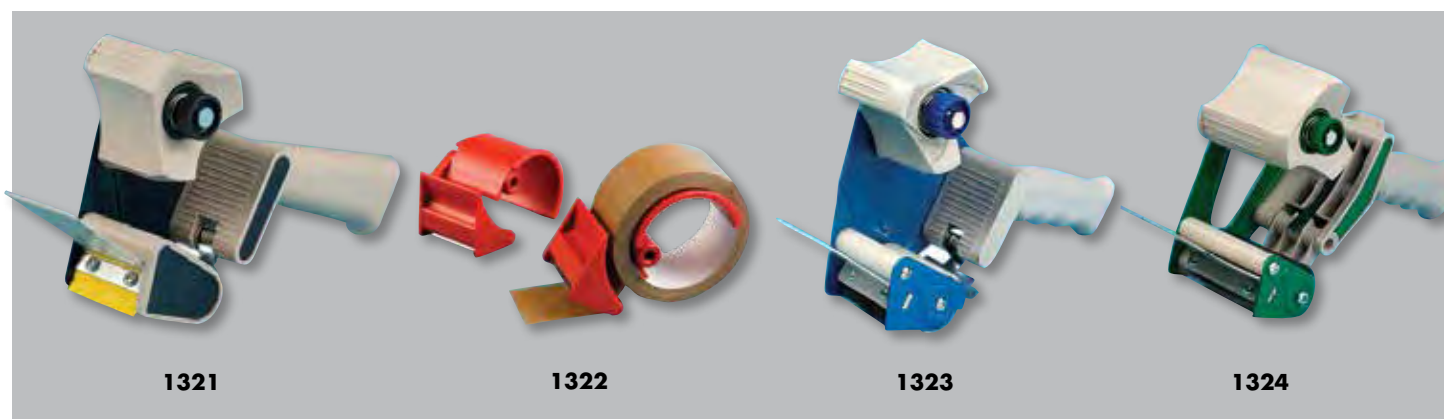
PART #	DESCRIPTION
1167	1" Plastic Dispenser
1168	1" Metal Dispenser
1326	2" Plastic Dispenser

## FILAMENT TAPE



# TAPE DISPENSERS AND MANUAL LABEL DISPENSERS

## TAPE DISPENSERS



### PART # 1321 — PREMIUM MOST POPULAR

Natural rubber roller, hardened all steel heavy gauge blade, heavy duty frame, for durability, available with an adjustable tension brake and our patented safety shield.

### PART # 1322 — ECONOMY

Provides an easy economical way to dispense 2 inch wide carton sealing tape. Made from hi-impact plastic and a hardened blade and is perfect for on the spot application of tape.

### PART # 1323 — HAND ECONOMY

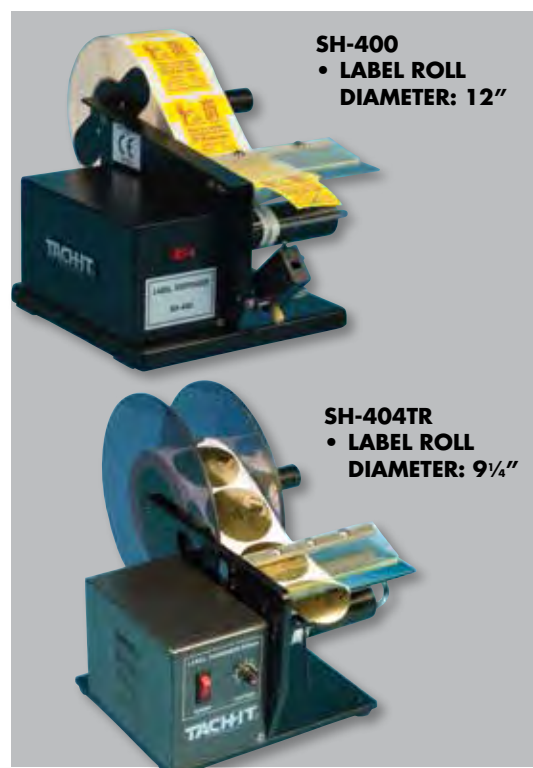
Versatile solid steel frame tape gun with adjustable brake. Lightweight, more rugged and will last longer than other dispensers and is designed for tapes up to 2 inch wide.

### PART # 1324 — HEAVY-DUTY

Professional heavy duty all steel frame tape gun for tape up to 3 inch wide. Designed for high productivity applications, has a hardened blade, natural rubber roller and molded finger grip.

PART #	DESCRIPTION	TAPE SIZE
1321	Premium Most Popular	2"
1322	Economy	2"
1323	Hand Economy	2"
1324	Heavy-Duty	3"
1325	Heavy-Duty (not shown)	3"

## AUTOMATIC LABEL DISPENSERS



**SH-400**  
• LABEL ROLL  
DIAMETER: 12"

**SH-404TR**  
• LABEL ROLL  
DIAMETER: 9 1/4"

### SH-400

Ultra-economical pressure sensitive label dispenser is perfect for labels up to 6 inch wide. Easy to adjust and requiring no tools, the specially designed extra sensitive micro-switch senses the edge of the label as it is fed and stops the motor exactly at the same point each cycle. Works on all types, styles and shapes of die-cut and butt-cut labels on a 1" or 3" core.

- Speed: 240 inches per minute
- Power: 110 Volt

PART #	L x W x H	MINIMUM LABEL SIZE W x L	MAXIMUM LABEL SIZE W x L	WEIGHT
1342	12" x 10 1/2" x 10"	3/8" x 5/8"	6" x 9"	12 lbs.

### SH-404TR

Premium label dispenser, peels, releases and advances all types of butt-cut and die-cut labels either opaque or transparent on rolls or fan-folded. When an operator removes one label the next one is automatically dispensed. Designed using optical-reader reliability, can feed all labels whether they are large or small, opaque or transparent, irregular shaped or round. Large roll capacity, high speed motor, heavy duty construction and automatic liner re-winder are all features of this machine.

- Speed: 240 inches per minute
- Power: 110 Volt

PART #	L x W x H	MINIMUM LABEL SIZE W x L	MAXIMUM LABEL SIZE W x L	WEIGHT
1341	14" x 10" x 11"	3/8" x 5/8"	6" x 14"	13 lbs.

# LABEL DISPENSERS, PACKING LIST AND ENVELOPES

## GENERAL PURPOSE LABEL DISPENSER

- Built of Heavy-duty Plastic
- Dispenses labels easily & efficiently
- Simple to load and thread
- Available in 2", 4", 6" and 10" widths

PART #	LABEL WIDTH	WEIGHT
LDM202	2"	2 lbs.
LDM204	4"	2 lbs.
LDM206	6"	3 lbs.
LDM210	10"	3 lbs.

## ECONOMY LIGHT WEIGHT LABEL DISPENSERS



## PDL SERIES

Non-slip feet to hold the dispenser securely to any bench top. Heavy duty metal construction and roll separators allowing for multiple label roll use.

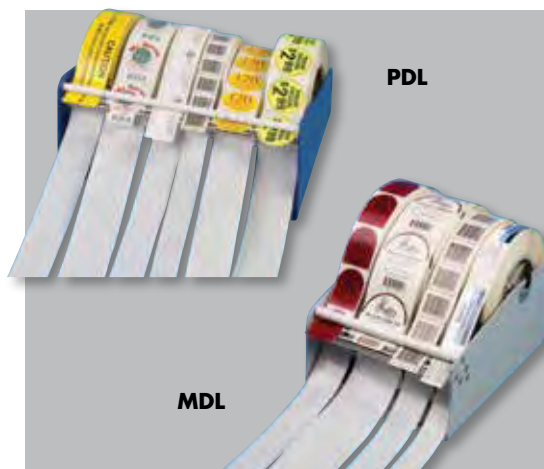
PART #	WIDTH	PART #	WIDTH
1331	3"	1334	8½"
1332	4½"	1335	12½"
1333	6½"		

## MDL SERIES

Use as either a bench mount or mounted on a wall. This large roll capacity all steel machine can handle roll diameters up to 7 inch on a 1 inch core. Machine has 3 inch core holders.

PART #	WIDTH	PART #	WIDTH
1336	3½"	1339	8½"
1337	4½"	1340	12½"
1338	6½"		

## DURABLE METAL LABEL DISPENSERS

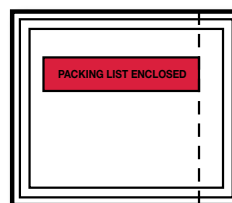


## PACKING LIST AND SHIPPING ENVELOPES

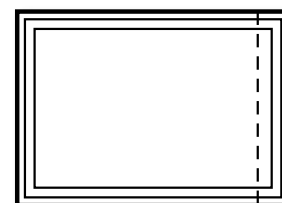
Made of tough polyethylene with aggressive permanent adhesive. Back loading style. 1000 per case.



130 – 4½" x 5½"



131 – 4½" x 5½"



136 – 4½" x 6"



119 – 5½" x 10"



137 – 4½" x 6"



120 – 10¾" x 6¾"



# STRETCH FILM, SHRINK WRAP FILM AND EQUIPMENT

## EXTENDED CORE STRETCH FILM

**EXTENDED CORE STRETCH FILM DOES NOT REQUIRE A DISPENSER.**

- Complete disposable hand wrap system.
- Extended 4½" core acts as handles.
- Quiet and ultra clear cast film.



PART #	W x L	GAUGE	FILM COLOR	ROLLS PER CASE
1400	20" x 1,000'	70	Clear	4
1417	30" x 1,000'	70	Clear	4
1402	15" x 1,000'	80	Clear	4
1403	20" x 1,000'	80	Clear	4
1404	30" x 1,000'	80	Clear	4

## BUNDLING STRETCH FILM

**NARROW WIDTH, USE TO BUNDLE SMALL LIGHT-WEIGHT PRODUCTS FOR SHIPMENT.**

- Faster and more economical to use than tape, strapping or twine.
- One plastic dispenser is included in each case.
- Dispenser can be used with 3" or 5" Narrow Width Bundling Stretch Film.
- Quality quiet cast stretch film.



PART #	W x L	GAUGE	ROLLS PER CASE
1405	3" x 1,000'	80	18
1406	5" x 1,000'	80	12

## SHRINK WRAP EQUIPMENT



### SUPER-SEALER® SYSTEMS

- Heavy-duty steel construction features a built-in adjustable timer with LED light. UL listed.
- Super-Sealer System includes: Bag sealer, #SWSVAR Heat Gun, 200' of 75 gauge PVC film and 1 service kit.
- Super-Sealer Service Kit includes: Sealing pad, (5) 3 Mil Teflon® tape strips, (3) 10 Mil Teflon® tape strips, wire, micro switch, arm spring and fuse.

SYSTEM PART #	SERVICE KIT PART #	SEAL WIDTH
1407	1420	13"
1408	1421	18"

### HEAT GUNS

- Use for a variety of applications including heating shrink film and removing paint or varnish. UL listed.

PART #	DESCRIPTION	HIGH TEMPERATURE	LOW TEMPERATURE
1409	Variable Temperature	1,100°F	250°F

## Exlfilmplus SHRINK FILM

**EXCELLENT PERFORMANCE ON ALL TYPES OF MANUAL, SEMI-AUTO AND AUTOMATIC EQUIPMENT**

- Multi-layer, biaxially oriented shrink film requires no dwell time.
- High gloss appearance and excellent clarity.
- Puncture resistant, centerfold shrink film.
- Works well on irregularly shaped items.
- Meets FDA requirements for direct food contact.
- Great for cold temperature shortage applications.
- Approved for mailings by the U.S. Postal Service.



### 60 GAUGE EXLFILMPLUS™ SHRINK FILM

PART #	W x L	ROLLS PER CASE
1410	6" x 4,375'	2
1411	8" x 4,375'	2
1412	10" x 4,375'	2
1413	12" x 4,375'	1
1414	14" x 4,375'	1
1415	16" x 4,375'	1
1416	18" x 4,375'	1

# PLANT PROTECTION AND FAUCET COVER

## PROTECT YOUR FLOWERS AND PLANTS FROM HARSH WINTERS

Polar Safe - Industrial strength EPS foam plant protection systems against

- Protection against freezing temperatures and animals and pesky critters
- Reusable

Durable for year after year use. Secure plant cone into ground using hold down anchors

PART #	DESCRIPTION	DIMENSIONS
1505	Standard – Freeze Temperature	12" x 12" x 14" high
1506	Medium – Sub Freeze Temperature	16" x 16" x 18" high
1507	Large – Extreme Freeze Temperature	18" x 18" x 20" high
1508	Extra Hold Down Anchors – 20/bundle	---

## EPS FOAM PLANT PROTECTION SYSTEMS



Protects outside faucet from freezing.

Polar Safe – Industrial large faucet insulated cover — Protects below sub-zero temperatures

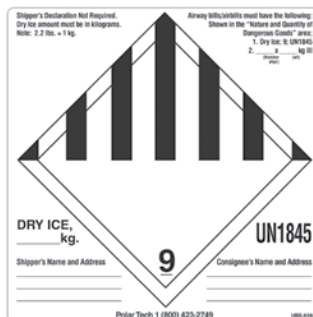
- Quick and Easy to use
- Double wire tie secure
- Re-use year after year

**Part # 1509** Large faucet cover

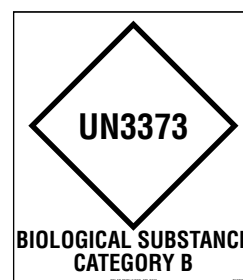
## INSULATED FAUCET COVER



## FOR A COMPLETE LISTING OF LABELS, STARTING ON PAGE 44



**HML628 6" x 6"**



**BHM527 – 3 1/2" x 4"**



**BHM314 – 3" x 2"**

## CUSTOM APPLICATIONS

We understand that your image is everything.

This is especially true in the final presentation of your product.

Knowing this enables us to work with you in selecting the shipping system that is not only functional but also enhances your product among its competitors.

We address this need with many customizing options within our varied stock product line.

For more detailed assistance, please contact our customer representatives at **1-800-423-2749**

## FOAM CONTAINERS

Our EPS foam containers can be embossed on the lid with your logo as a permanent design.

Great for customer impression, recognition and re-use as a personal cooler with your memorable company logo visible.

## REFRIGERANT PACKS

Add promotional impact and increased market exposure by using our ICE-BRIX® gel refrigerant packs.

Your logo or design can be imprinted on these bags in red, green, blue or black. Low minimum runs, small set-up charge required. 4 color process is available, call for details.

## PANELS & INSERTS

When our stock sizes are not close enough to fit your product or you require special protection, we still have options available to you.

We inventory EPS foam and polystyrene foams that can be cut to any thickness to line a custom-sized box to meet your packaging requirements.

Custom Pads and/or Inserts can assist with specific product placements and protection.

## CUSTOM CORRUGATED

Our Carry Packs and other corrugated products can all be printed to your specifications.

It's a safe and impressive way to transport your perishables. Taken home via train, airline, bus—portable advertising.

Ideal for any industry: Seafood, Steaks, Gourmet Chocolates, Pastries or Dairy Products



# PERISHABLE PACKAGING ASSISTANCE

## TEMPERATURE CONVERSION CHART

C°	50	40	30	20	10	0	-10	-20	-30	-40	-50	-60	-70								
F°	120	100	90	80	70	60	50	40	30	20	10	0	-10	-20	-30	-40	-50	-60	-70	-80	-90

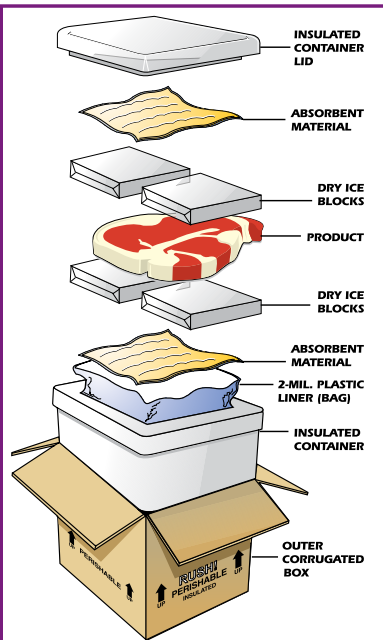
## Perishable Packaging Assistance

Packaging should never be taken lightly. To have an impact, packaging must assert itself. Manufacturers often think of packaging as an expense but it is one of their most important investments. Perishable packaging carries enormous responsibilities. Our packaging designers will work with you to protect your product from both internal and external damage during transport, not to mention temperature protection. We have developed programs combined with our sophisticated

test labs to assist in determining the most effective packaging for each shipping situation. With continual testing of all containers and refrigerants, we suggest containers with the appropriate wall thickness, as well as type and amount of refrigerant required for your chosen mode of transportation. See back cover for all sizes, dimensions and part numbers. Always call with questions, for more Frequently Asked Questions, visit our web-site at [www.polar-tech.com](http://www.polar-tech.com)

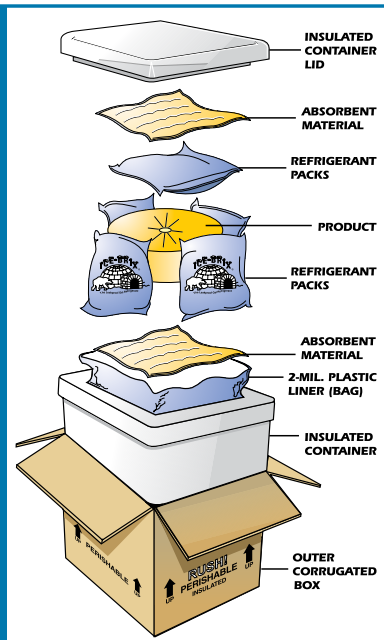
### DRY ICE - FROZEN

A general guide for use with Block Dry Ice is: Dry Ice sublimates approximately 3 to 5 pounds per day. The larger the shipment or container, the more dry ice that is generally required. You should surround your product (top, bottom, & sides) for uniform freezing. Pellet, rice & crushed dry ice requires additional pounds per day, due to it's faster sublimation.



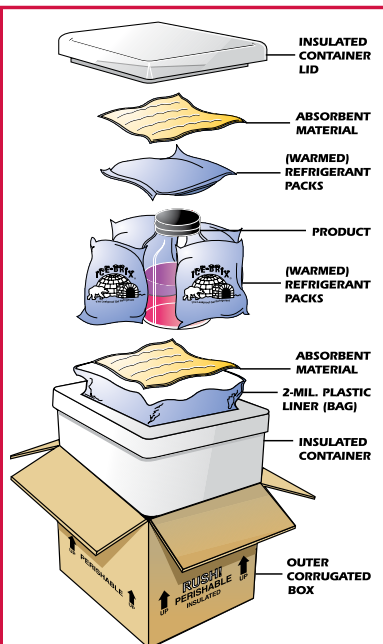
### REFRIGERANT PACKS - CHILLED

The general guide for refrigerant packs is a min. of 1:5 to 1:3 pound ratio of refrigerant to product. Larger shipments or containers may require additional refrigerant packs. For best results, surround products for optimum performance during shipping. Special consideration for temperature and climate seasonal changes may require more or less refrigerant packs.



### WARMING - HEAT SINK

Prevent your products from freezing by heating refrigerant packs in boiling water or on 'Low' heat microwave setting. This is called a "Heatsink", and can be used to ship products in the Winter that might freeze in shipment. For best results, surround your product on all sides with 68°F or higher warm packs for extended shipping times.



### CONTROLLED TEMP. RANGE

The general guide for refrigerant packs cold/warm and frozen is a minimum of 1:3 lb ratio of refrigerant to product. Larger shipments or containers may require additional refrigerant packs. For best results, surround products with cold/warm refrigerants and frozen to the surrounding cold/warm packs, for controlled temperature performance. For best results we recommend testing to adjust amounts for the desired results.





## ***Polar Tech Industries, Inc.***

415 East Railroad Avenue

Genoa, IL 60135

1-800-ICE-BRIX

[www.polar-tech.com](http://www.polar-tech.com)

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