



# POLY BAGS, FILM & TUBING

Bags, film and tubing are made through a process called blown film extrusion. It's where polyethylene is melted and extruded vertically into a bubble which then makes its way downstream to be slit, folded or sealed.

With access to over 53 extrusion lines in 5 manufacturing facilities, it is easy to order custom LD and LLD polyethylene bags, tubing and sheeting from 4" to 150" in gauges of 0.75–8 mil. You can choose from 14 stock colors, 4 venting styles and a host of performance additives.

### Smart Tech Bags Technology

Custom items can be manufactured with Smart Tech Bags® technology, engineered to provide over 3X the impact and 2X the tensile strength of traditional low-density polyethylene. Exclusively manufactured in the U.S.A. under strict ISO 9001 regulations.

### 100% Renewable Energy

These products are manufactured with 100% renewable energy from sources like wind and solar power.

### Order with Confidence

Our reps are experts at walking you through the process of custom ordering so you can order with confidence.

### MATERIALS AVAILABLE

**Anti-Block** additive for easy opening and loading

**Anti-Static** additive for static-dissipative film

**Clarity** for improved visibility through film

**High-slip** additive for reduced friction between film

**HACCP Certified** manufactured under strict HACCP requirements

**LDPE** low-density polyethylene for standard strength film

**LLD** linear low-density polyethylene for high-slip film

**LLDPE** linear low-density polyethylene for higher-strength film

**Metalocene** additive for high-strength film or cold storage

**Non-Slip** to increase friction between film

**Non-Scratch** for a smoother film surface

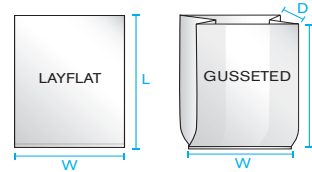
**Postal-Approved** Higher-slip & anti-static additives for film used in USPS mailings

**UVI/IVA** Ultraviolet Inhibitor/Absorber to protect film and contents

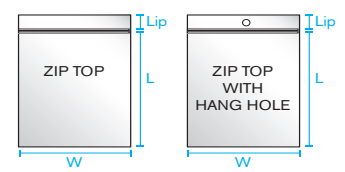
**VCI** Vapor Corrosion Inhibitor for film to prevent rust

## BAG, TUBING & SHEETING STYLES

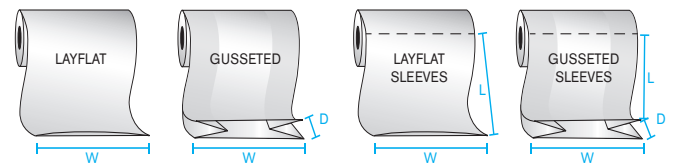
### Layflat & Gusseted Bags



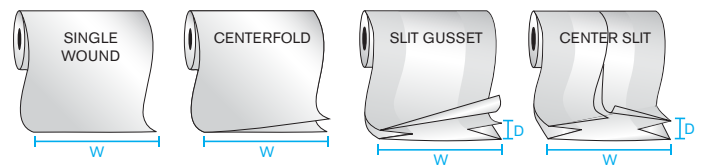
### Reclosable Bags



### Continuous Tubing & Sleeves



### Continuous Sheeting\*



\* Sheeting can be continuous or perforated.

## PACKAGING DETAILS

### CASES OR ROLLS

Loose in a case or on a roll for easy dispensing

### CASE OR ROLL COUNT

Get the quantity that works best for you

### BOXED ROLLS

Boxed Rolls protect product prior to use

### CRADLEPACKED ROLLS

Use less packaging, save money and provide more stable shipments





# CUSTOM PRINTING

## CUSTOM PRINTING

We provide custom printed bags, film and tubing, with print jobs ranging from single-color suffocation warnings and recycle symbols to two-sided printing of complex multi-color images with bar codes. We offer Random Repeat as well as Registered printing. Printed items can be quoted quickly and accurately with pricing and lead times.

### What is Random Repeat Printing?

Random Repeat printing repeats an image or block of text a specific distance apart. The images may land on perforations resulting in the top of an image on one side of a perforation and the bottom on the next. We guarantee at least one full image per bag.

### What is Registered Printing?

Registered printing refers to the defined placement of an image and/or text on a bag. Artwork prints where you want it on each bag in the same location. Artwork can be single or multi-color including PMS spot or CMYK process colors for photographic-quality images. Registered Printing can include both sides of a bag and even a bottom gusset.

### Order with Confidence

We will follow your order through to completion every step of the way including providing accurate proofs for advance approval before printing.

Contact us for custom pricing today.





### REGISTERED PRINTING

An image or message is printed once on each bag in the same location. Artwork can include single or multiple colors including PMS spot and CMYK process. Bags can be printed on both sides.



### CAPABILITIES

	MIL	WIDTH	LENGTH
Layflat Bags	1-6	3"-30"	3"-36"
Reclosable Bags	1-6	4"-35"	4"-36"
Lip & Tape Bags	1-4	4"-30"	5"-32"
Wicketed Bags	1-4	4"-32"	5"-43"
Poly Mailers	1.5-5	4"-38"	4"-36"
Pre-Opened Bags on Rolls	1.25-4	2"-20"	4"-36"

Registered Printing on other bag types is available. Contact us to learn more.

### RANDOM REPEAT PRINTING

Each bag has a slightly varied repeat placement, but we guarantee one full impression per bag.

### CAPABILITIES

Maximum Image Size	23" x 23"		
Maximum Repeat	24"		
Case-Packed	Mil: 1 to 8	W: 4"-54"	L: 6"-65"
Rolls	Mil: 0.75 to 8	W: 4"-98"	L: 6"-288"

### INK COLORS AVAILABLE

#### PMS Spot Colors

Logos and simple images using specific ink colors are reproduced using one printing plate per color. Our Print Designer supports thousands of PMS colors.



#### CMYK Process Printing

Photos and illustrations are reproduced by a printing process using a combination of cyan, magenta, yellow and black inks, to create full color printing.



### INK COLORS AVAILABLE (swatches are approximate)

Black		Red		White	
Blue		Green			

### STOCK IMAGES Available for use with both Registered and Random Repeat Printing.

**WARNING:** To avoid danger of suffocation, keep this plastic bag away from babies and children. Do not use this bag in cribs, beds, carriages or playpens. This bag is not a toy.  
**ADVERTENCIA:** Para evitar el riesgo de asfixia, mantenga esta bolsa plástica fuera del alcance de bebés y niños. No utilice esta bolsa en cunas, camas, cochecitos o corrales. Esta bolsa no es un juguete.  
**AVERTISSEMENT:** Pour éviter tout risque d'étouffement, gardez ce sac en plastique à partir des bébés et des enfants. Ne pas utiliser ce sac dans des berceaux, des lits, des voitures ou des parcs. Ce sac n'est pas un jouet.

Suffocation Warning, 14 pt or 24 pt text



Recycle 2" x 2"



BIOHAZARD

Biohazard 6" x 6"



VCI 2.5" x 2.5"

# MEASURING FOR THE RIGHT SIZE

## LAYFLAT BAGS SQUARE CONTAINER OR DIMENSIONAL PRODUCT

Note: Depth is the shorter of the 2 sides.

1. Bag Width = Container Width + Container Depth + 2" for a looser fit
2. Bag Length = Container Height + Container Depth + 6" to cover contents and tie the bag closed.

### EXAMPLES

**Container Size:** 14" W x 10" D x 32" L

**Bag Size:** 26" W x 48" L

**Object Size:** 10" W x 3" D x 16" L

**Bag Size:** 15" W x 25" L



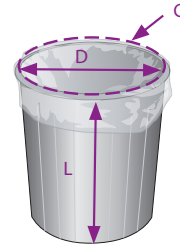
## ROUND CONTAINER

1. Container Circumference = Diameter x 3.14
2. Bag Width = Container Circumference divided by 2, + 1" for a looser fit.
3. Bag Length = Container Height + Container Diameter + 6" for overhang.

### EXAMPLE

**Container Size:** 12" D x 30" L

**Bag Size:** 20" W x 47" L



## GUSSETED BAGS SQUARE CONTAINER OR DIMENSIONAL PRODUCT

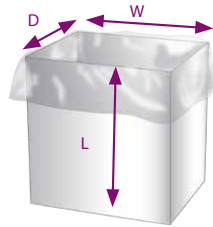
Note: Depth is the shorter of the 2 sides.

1. Bag Width = Box Width + 1"
2. Bag Depth = Box Depth + 1"
3. Bag Length = Box Height + Box Depth + 6" to cover contents and tie the bag closed.

### EXAMPLES

**Box Size:** 18" W x 12" D x 14" L

**Bag Size:** 19" W x 13" D x 32" L



## PALLET COVER

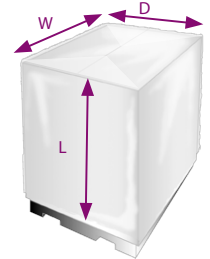
Note: Depth is the shorter of the 2 sides.

1. Cover Width = Pallet Width + 1 - 2"
2. Cover Depth = Pallet Depth + 1 - 2"
3. Cover Length = Pallet Height + 1/2 the the Depth of Pallet

### EXAMPLE

**Pallet Size:** 40" W x 36" D x 50" L

**Cover Size:** 42" W x 38" D x 68" L



## RECLOSABLE BAGS

### ZIP TOP BAG

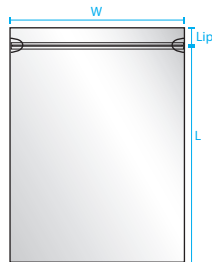
Note: Custom Zip Tops come with reinforced hammerseals; our standard stock zip tops do not.

1. Bag Width = Width of Product + 1/2"
2. For rigid items, add 1/2" more to the width of the bag to allow the item to fit.
3. Bag Length = Length of product + 1"
4. For thick or bulky items add the Depth of the product to both Width and Length.
5. Add 1/2" to 2" to both dimensions for a looser fit.

### EXAMPLE

**Flat Product:** 2.5" W x 5" H

**Bag Size:** at least 4" W x 6" L



### SLIDER TOP BAG

1. Bag Width = Width of Product + 1/2"
2. For rigid items, add 1/2" more to the width of the bag to allow the item to fit.
3. Bag Length = Length of product + 1/2"
4. For thick or bulky items add the Depth of the product to both Width and Length.
5. Add 1/2" to 2" to both dimensions for a looser fit.

### EXAMPLE

**Flat Product:** 2 1/2" W x 5 1/2" H

**Bag Size:** at least 4" W x 6" L

