



PACKAGING...SIMPLIFIED.

SIDE GUSSETED BAG

Technical Fact Sheet

Side gusseted bags are named for the gusset, or fold, on either side of the bag. The gussets expand when the package is filled with product. The weight of the product holds the bag upright. This package format has two long faces, or panels, on the front and the back for product branding. The side gusseted bag format is widely recognized as a coffee bag, but other items such as powders, mixes, petfood, tea and other products are also found in this package.

FEATURES



Center Back Seal

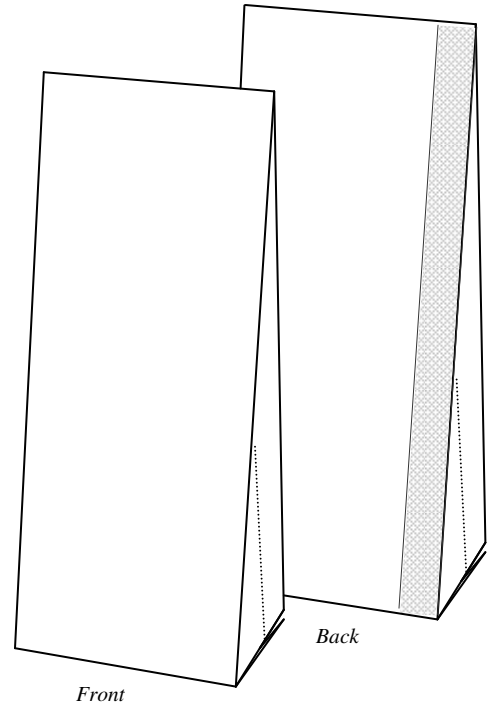
Face
A long panel often used for product label on both the front and the back.

Center Back Seal
PBi stock side gusseted bags have the back seal, also known as a fin, in the center of the back face/panel.

Side Back Seal
Side gusseted bags can also have the back seal on the right or left side of the back face/panel.

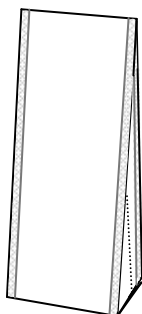
Side Gusset
Folds open, allowing the package to expand and accommodate the product.

Bottom Seal
The bottom of the bag is sealed. The bottom of the bag is formed manually or with a forming shoe.



Side Back Seal

OTHER OPTIONS



Quad Seal Bag

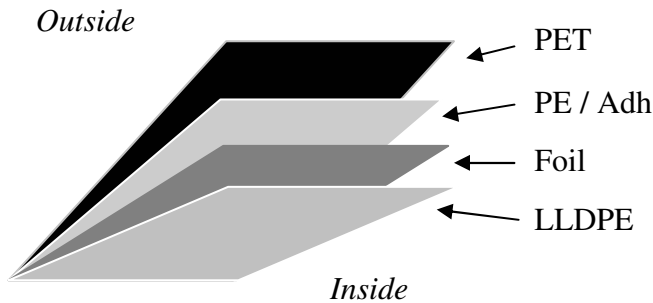
Side seals give the package four crisp corners and two distinct panels for marketing. Quad seals bags are more stable, and have cleaner lines.

Gusseted bags have evolved to include the generic styles (center back seal, quad seal and side back seal). The quad seal and the side back seal provide uninterrupted panels for copy and graphics.

Side Gusseted Bag Structures

Packaging must preserve and protect the product. PBI's side gusseted bags are designed to protect products which require a high level of protection from oxygen. Different materials have properties that protect product from the damaging effects of light, oxygen, moisture, odor, infestation, etc, and PBI offers side gusseted bags using two different high barrier components: 1) Foil and 2) EVOH.

FOIL



Structure Key

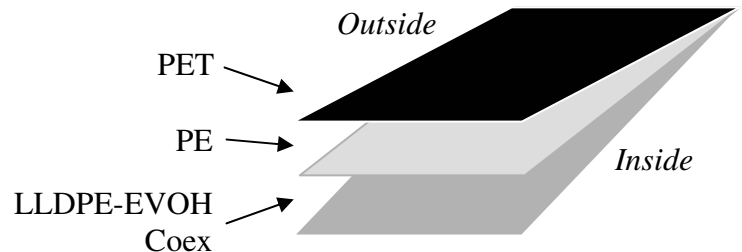
Foil - Aluminum Foil
PET - Polyester
PE/Adh- Polyethylene Extrusion or Adhesive
EVOH – Ethyl Vinyl Alcohol
LLDPE – Liner Low Density Polyethylene

Foil gusseted bags are a 3-ply, extrusion laminated material that have high oxygen and moisture barrier properties. The layer of Polyester (PET) provides good abrasion, tear, and puncture resistance for the package and protection from scuffing for the ink, which is reverse printed.

The Aluminum Foil provides excellent oxygen and moisture barrier. The PET and Linear Low Density Polyethylene (LLDPE) layers provide additional barrier to moisture, give structural integrity and good tactile properties. The Linear Low Density Polyethylene provides strength, bulk, and allows the bag to be sealed. *Please note that some PBI stock foil gusseted bags have Linear Low Density Polyethylene with Easy Open Feature (LLDPE w/ EZO), which allows the package to be peeled open by hand.

EVOH

The EVOH is a high oxygen barrier, 2-ply structure which is designed to be transparent with high oxygen barrier, and good strength characteristics. The EVOH material is co-extruded with Polyethylene (PE), and laminated to the Polyester (PET). The layer of Polyester (PET) provides good abrasion, tear, and puncture resistance for the package and protection from scuffing for the ink systems which are reverse printed on it.



The PET and Linear Low Density Polyethylene (LLDPE) layers provide barrier to moisture and improve strength. The primary barrier function is provided by the LLDPE-EVOH-LLDPE Coex. This is a 5-layer “sandwich” of LLDPE and polymer tie layers on either side of the EVOH. The EVOH layer provides an excellent oxygen and flavor barrier.