



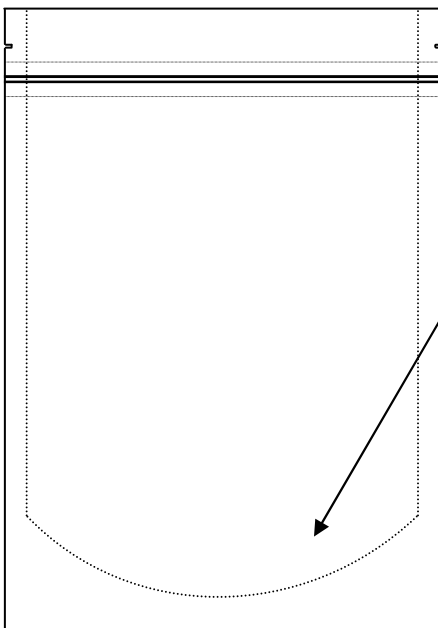
PACKAGING...SIMPLIFIED.

STAND-UP POUCH

Technical Fact Sheet

The name, Stand-Up Pouch, aptly describes the package format. It is, in fact, a pouch that will stand up. The result is a package that provides consumer and market-friendly features like zipper reclosure, a strong shelf presence and an attractive billboard for graphics/advertising. Stand-Up Pouches are sold into a wide variety of markets including pet food, coffee, tea, natural products and specialty foods. Products such as crackers, cookies, nuts, dried fruit, candy, chips and powders are often seen in a Stand-Up Pouch.

FEATURES



Tear Notch – Consumers use the tear notch to rip open the top of the pouch.

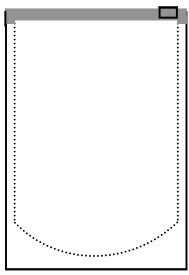
Zipper – Located below the tear notch, the zipper is a “must have” feature in certain markets because it’s convenient and user-friendly.

Bottom Gusset – Pouches are made with one of two bottom gusset styles:

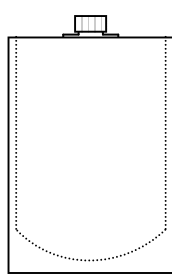
1. **Inserted Bottom** (also known as Doyen Bottom). The inserted bottom has a “lip”, which makes the bag stand up by serving as the center of gravity. During production, a third sheet of material is inserted into the bottom of the pouch and sealed to the front and back sheets. This style is great for products that weigh less than 1-2lbs. If the product is too heavy, the pouch will lean or fall over.
2. **Plough Bottom**. The plough bottom is made from one piece of material that has been folded and sealed into the bag shape. Because this style is made from one piece, it can hold more product weight. The plough bottom is common for product weighing more than 1-2lbs.



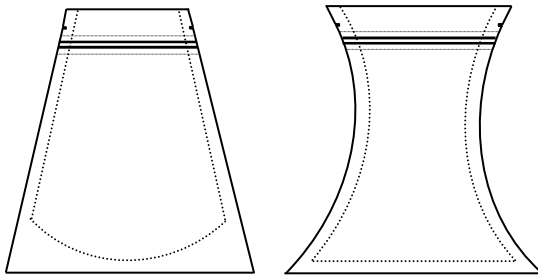
OPTIONAL CUSTOM FEATURES



Slider Reclosure
User-Friendly
Convenient



Pour Spout
Offers a cleaner package for liquid content products such as shampoo.



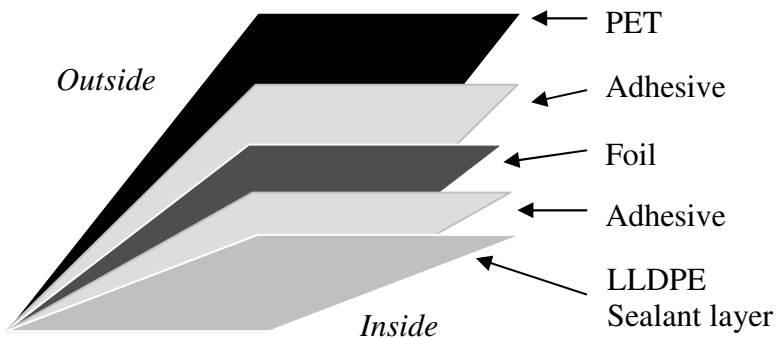
Contour Stand-Up Pouches*
Distinctive Shelf Presence
Unique Branding
**May require cost for tooling*

Stand-Up Pouch Structures

The main purpose of packaging is to protect the product. Products need protection from the effects of oxygen, moisture, light, infestation, odor, etc. Products can be sensitive to one or a combination of these, and therefore require packaging that is designed to resist a specific combination of factors.

PBi offers several Stand-Up Pouch structures designed to protect a wide variety products. The two structures are: 1) high barrier and 2) low to medium barrier.

HIGH BARRIER



Structure Key

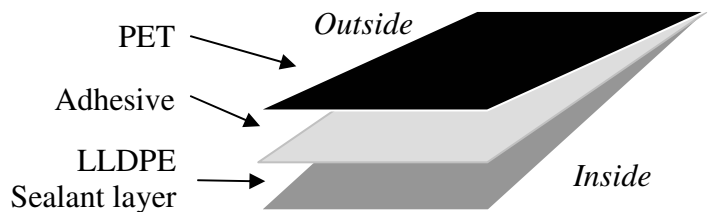
- Foil - Aluminum Foil
- PET - Polyester
- PE - Polyethylene
- BON – Biaxially Oriented Nylon
- MET PET - Metalized Polyester
- LLDPE – Liner Low Density Polyethylene

High barrier pouches are made of 3-ply, adhesive laminated material with Aluminum Foil. The aluminum foil provides 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 systems which are reverse printed on it. The Linear Low Density Polyethylene (LLDPE) provides strength, bulk, and heat-sealability.

Typical uses include packaging of products which require a high level of protection from oxygen. Products include coffee, nuts, pet foods, hygroscopic plastic resins, and other products with inherent oils and flavors requiring protection from oxidation.

LOW TO MEDIUM BARRIER

The most economical low to medium barrier package is the 2-ply adhesive laminated pouch. A 3-ply package is also available. The 3-ply includes metalized polyester. Metalized polyester provides better barrier and a “metallic” shiny appearance, which some customers demand. The Polyester outer layer (PET) and Linear Low Density Polyethylene (LLDPE) inner layer provides adequate protection from oxygen and water vapor transmission at a reasonable price.



Typical uses include packaging tea, pet treats, sugar, dry powders, nutraceuticals, granola, baked goods, dried fruit, etc.