

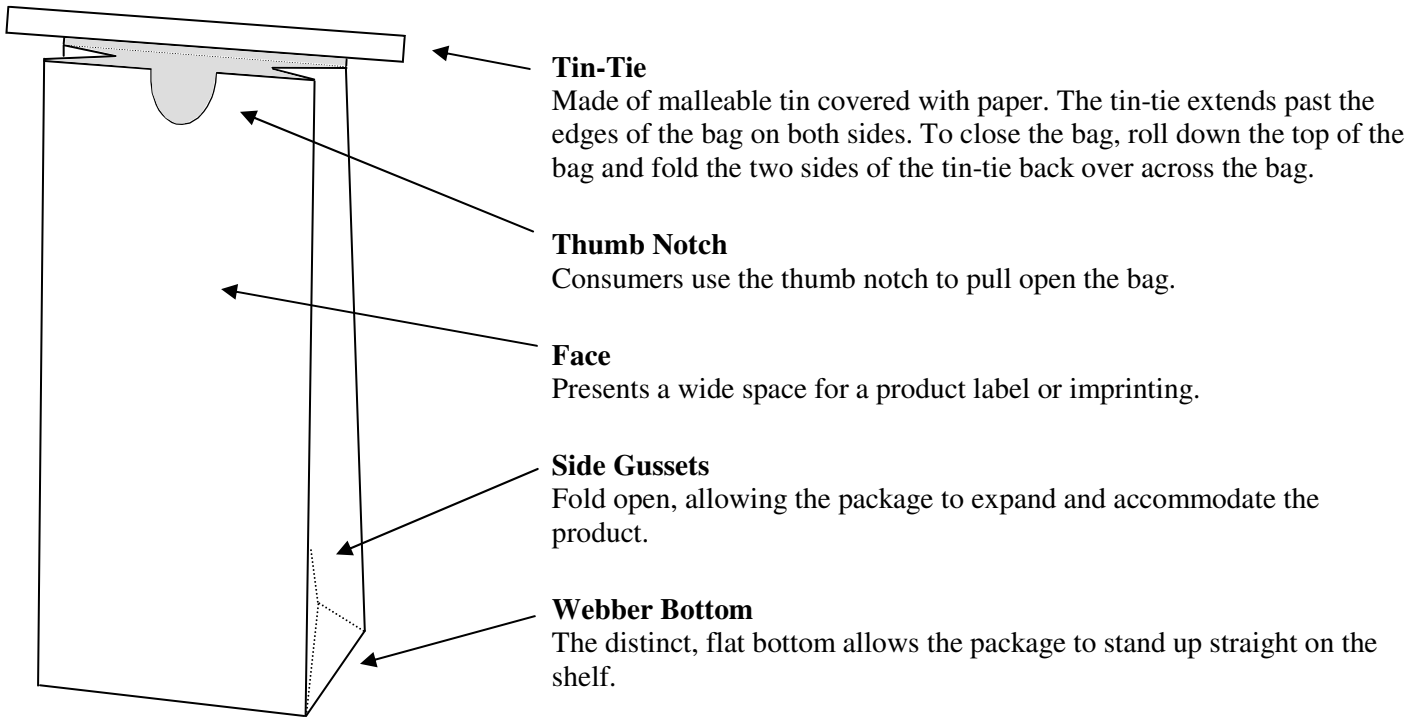


PAPER TIN-TIE BAG

Technical Fact Sheet

A paper tin-tie bag is a paper bag that is lined with a grease-proof material. It is most often used as a retail take away bag or short term storage. The tin-tie, which is attached to the top of the bag, is used for reclosure. The paper tin-tie bag is an inexpensive, practical way to contain a wide variety of items including coffee, dry soups, confections, natural products and other dry goods. Please note that coffee contained in a paper tin-tie bag should be consumed 7-10 days after roasting for maximum freshness and flavor.

FEATURES



OPTIONAL CUSTOM FEATURES

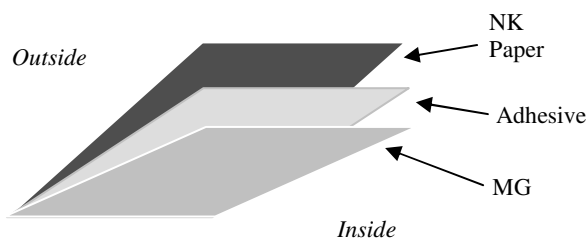
 <p>With A Window</p>	 <p>Without Tin-Tie <i>*Usually used in larger bags</i></p>	 <p>Claycoat</p>
---	---	--

Paper Tin-Tie Bag: PBI Stock Bag Structures

Paper tin-tie bags contain and carry product. Paper tin-tie bags are ideal for short term packaging and dispensing a wide variety of products. The suitability and shelf life of a product in a paper tin-tie bag is dependent on the product stability with regards oxygen, moisture, fat content, etc. If longer shelf life is needed, a barrier bag may be necessary. A good question to ask regarding barrier requirements is: How do most companies in your niche package similar products? Determining the correct package format and structure is the first step in delivering a fresh product to your consumers.

PBI offers three types of liners in the paper tin-tie bags: (1) Glassine, (2) Polypropylene, and (3) PLA Corn Plastic.

GLASSINE



Structure Key

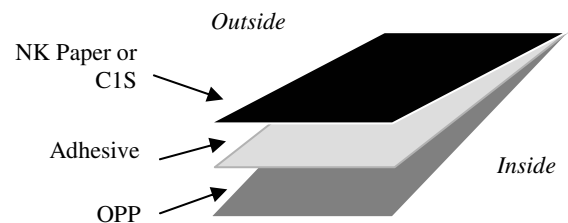
OPP – Oriented Polypropylene
MG – Manilla Glassine
NK – Natural Kraft Paper
PLA – Polylactic Acid
C1S – Claycoated on One Side

Glassine, a form of translucent paper, is preferred by some customers for its look and feel, which is similar to wax paper. Products high in fat or oil content can seep through the glassine liner in a process called “wicking.” Glassine’s lack of resistance to “wicking” makes it best suited for dry goods.

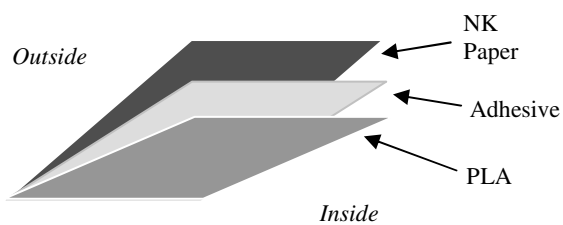
POLYPROPYLENE

Polypropylene lined bags are available with two types of outer paper: natural kraft and various colors printed on a claycoated, blended kraft paper. The Oriented Polypropylene (OPP) inner liner provides the best protection from oils “wicking” from the product into the outer paper. OPP also provides some protection from moisture.

Typical uses include packaging coffee, tea, nuts, pet foods, cookies, snacks, dry soup mixes and powders.



PLA CORN PLASTIC



Polylactic acid (PLA) is a clear, crisp film made from the sugars in corn starch.

The PLA lined paper tin-tie bags will biodegrade in less than a month when exposed to conditions such as those found in a compost pile.

**For more information on PLA, please see PBI article: “Sustainability and Packaging”.*