

# INTENDED USE MANUAL AND USE RECOMMENDATIONS FOR FLEXIBLE PLASTIC PACKAGING



## Objective

Provide guidance on the intended use and correct use of flexible plastic packaging so that it fully fulfills its function of containing, protecting, and preserving the product packaged in it without causing food contamination.

## Product information

Flexible plastic packaging, monolayers or laminated (bags and films), printed or unprinted, for food use.

## Intended Use and Use Recommendations








Flexible plastic packaging must be used in the form of bags or films, for food packaging or any product it was designed. Packaging models may vary according to the customer's packaging design. For more information, consult Product Engineering via SAC.

Below guidance on the most used structures, with their indication of provided barrier, for a correct use, seeking to protect and conserve the packed product.

<b>Structure</b>	<b>Moisture Barrier</b>	<b>Oxygen Barrier</b>	<b>Grease Barrier</b>
PET/PET Metallized/PE	Excellent	Excellent	Excellent
PE/PET Metallized/PE	Excellent	Excellent	Excellent
PET/PE	Good	Good	Good
PET/PENYLON	Good	Optimal	Excellent
BOPP/PE	Good	Low	Good
BOPP/PE with Nylon	Good	Good	Excellent
PE/PE with Nylon	Good	Good	Excellent
PE Matte/PE with Nylon	Good	Good	Excellent
PE Matte/PE	Good	Low	Low
PE/PE	Good	Low	Low




*Note: For Super Premium products, with high protein content, it is indicated to use of packaging with a high grease barrier, such as PET/ PET/ metallized/ PE or a structure containing Nylon, avoiding grease migration during the expiration date of the packaged food.*

## **Use Guidance**

-  Do not drop it from a height higher than 1 meter;
-  Do not place it in oven or microwave. Except products from the Retort line – sachets, which can be used for cooking;
-  It is not recommended to handle it by sealed accordions or glued bottom;
-  Handle with care to prevent tears and holes;
-  Horizontally handle it, never vertically drop the package;
-  Single use, they should not be reused;
-  If it contains a zipper or Velcro: Handle it with care so as not to start tears or holes and so that the zipper does not come loose. Check if the proper fitting of zipper parts occurs for the correct package closing.

*Note: We have biodegradable films and packaging, for more information, consult Grupo Copobras' SAC.*

## **Physical and Chemical Characteristics**

-  Inert and non-toxic material;
-  Flexible;
-  High impact resistance;

- ✓ Light;
- ✓ Mechanical resistance;
- ✓ Low water absorption;
- ✓ High chemical resistance;
- ✓ Microorganisms resistance;
- ✓ Lateral compression resistance.

Deformation and melting temperature of the used plastic material is between 110°C and 115°C.

## **Warehousing and Storage**

✓ Keep it in the original packaging, in a clean, dry, covered, and closed environment, at a temperature below 45°C, without direct sunlight and moisture free, on pallets and / or a paved place;

⊘ Do not overlap it at a height higher than the stacking height of the material receipt;

⊘ Do not store near odorous, chemical, and flammable products.

## **Shelf life**

All packages produced by Incoplast, whether they are bags or films, are valid for 12 months after the manufacture date, provided that:

- Kept in original packaging;
- Stored in adequate conditions, as per the previous item.

The expiration date is available in the report and on the identification tag attached in the material.

It is the customer's responsibility to control the package shelf life. Batches with expired expiration dates may result in loss of mechanical properties that may lead to functional problems, important for the filling process, such as COF changes.

We emphasize the above validity aims to meet the packaging specifications related to its performance during the packing. After packaging the product in the package, its validity is indefinite, maintaining its characteristics whose product is intended to be stored, facilitate transport, and protect the packaged product, remaining for an indefinite period as long as care is maintained with handling, warehousing, and storage.

## **Food and Beverages that can come into contact \***

Non-acidic aqueous | Aqueous acids | Grease | Non-acid aqueous containing greases and oils | Aqueous acids containing greases and oils | Non-acidic and Greasy Aqueous | Non-Greasy Dry | Greasy Dry.

\* According to ANVISA legislation RDC 51 of November 26th, 2010, which provides for migration in materials, packaging and plastic equipment intended to come into contact with food.

## **Product lines**

- Pet Food;
- Cookies;
- Frozen;
- Candies;
- Lyophilized;
- Pasta;
- Sauces and condiments;
- Breads;

- Powdered beverages;
- Cold store – Specials;
- Cold store Line – Polyolefin;
- Cereals, chocolate and farinaceous products;
- Chocolate, sugars and confectionery products;
- Fruit, vegetables and derived products;
- Dairy products;
- Product assortment;
- Pharmaceutical products.

### **Incoplast packaging models**

- Bottom weld;
- Side bottom weld;
- Four welds / Zipper / Glued bottom;
- Back bottom weld;
- Accordion back bottom weld;
- Accordion / glued back bottom weld;
- Four welds;
- Four welds / Strap;
- Four welds / Zipper;
- Four welds / Glued bottom ;
- Pouch;
- Stand-up pouch;
- Side weld;
- Pouch 3 welds;
- Banner;
- Technical film;
- Blister;
- Continuous form;
- Sheath side weld;
- Box Pouch;
- Accordion / Square back bottom weld;
- Four welds / Square bottom.

The packages can contain application of accessories, such as

Velcro, zippers, micro holes, valve, straps, rounded corner, and tear facilitator.

For more details and development of the ideal packaging for your product, consult Grupo Copobras Products Engineering via SAC.

## **Disposal and Decomposition**

Flexible plastic packaging is recyclable, regardless of its composition. They can be reused, giving rise to a new product or a new raw material in order to reduce the waste production and its accumulation in nature, reducing the environmental impact.

## **Troubleshooting**

In case of doubts, budgets, and developments, please contact Grupo Copobras Customer Service (SAC) by contacting (48) 3657 3167 or 0800 645 6767, or by e-mail [laboratorio@copobras.com.br](mailto:laboratorio@copobras.com.br).

**Guarulhos - SP**

Avenida Moita Bonita, 266  
Jardim Brasil  
CEP 07270-395  
Guarulhos

Fone: + 55 11 4858-9620  
Fax: + 55 11 4858-9620

**São Ludgero - SC**

Padre Auling, 595  
Bairro Industrial  
CEP 88730-000  
São Ludgero

Fone: + 55 048 3657-3000  
Fax: + 55 048 3657-3011

**João Pessoa - PB**

Maria Rufino dos Santos  
Medeiros, 201 Galpão 102  
Distrito Industrial  
CEP 58082-228  
João Pessoa

Fone: + 55 083 3041-800  
Fax: + 55 083 3041-8011

**Carmópolis - MG**

Carlos Vicente Lara, 146  
Fatima  
CEP 35534-000  
Carmópolis de Minas

Fone: + 55 037 3333-1770  
Fax: + 55 037 3333-1771

**Marialva - PR**

Rod. BR 376 KM 198, 50  
Contorno Sul  
CEP 86990-000  
Marialva

Fone: + 55 044 3232-8000  
Fax: + 55 044 3232-8080

**Manaus - AM**

João Monte Fusco, 1101  
Santa Etelvina  
CEP 69059-500  
Manaus

Fone: +55 092 2101-8600  
Fax: +55 092 2101-8600