



# HERMETIC STORAGE SOLUTIONS

From **The World's Largest**  
**Integrated Flexible Bag Manufacturer**



# HERMETIC BAG

PRO 7 Hermetic Bags are made up of ultra-high barrier 7 layer films. Our bags come with superior air, gas and water resistant properties which help to create a modified atmosphere inside the bag. It stops insect infestations and inhibits the growth of fungal contaminants without affecting the aroma, colour and freshness of the material stored in it.

## KEY BENEFITS:

- + Prevent fungal growth
- + Seals the aroma inside
- + Retains the flavour and quality of the product
- + Good temperature tolerance (-30° C to 90° C)
- + Oil and solvent resistant.



PARAMETER	SPECIFICATION
Material	High Strength PE with Barrier Liner
Bag Capacity (KGS)	30-100
Thickness (microns)	80-120
Oxygen Transmission Rate (OTR),cc/m2/day at 0.1 MPa	≤2
Water vapour Transmission Rate (WVTR),/m2/day	≤2

# HERMETIC FIBC BAG

PRO 7 FIBC Bag provide solution for the safe and protected transportation of dry agricultural commodities. It is an ideal FIBC for preventing grain or seed damage due to condensation and insect infestation while in transit. It comes with a liner and the outer bag, as well as a spout at the bottom that allows the easy discharge of grains. These bags are of high capacity and have baffles inside them to prevent from bulging. This helps in keeping the shape of the bags intact for long term storage.

## KEY BENEFITS:

- + Keeps the product fresh for a long time as the liner has hermetic property
- + Saves space in warehouses because of the special baffle design and helps in multi level stacking.



PARAMETER	SPECIFICATION	
	OUTER BAG	INNER BAG
Material	High Strength Woven PP	High Strength Woven PP
Bag Capacity (KGS)	500-2000	
Oxygen Transmission Rate (OTR),cc/m2/day at 0.1 MPa	≤2	
Water vapour Transmission Rate (WVTR),/m2/day	≤2	



# INDOOR HERMETIC STORAGE

PRO 7 Barrier Liner offers a material composition that extends shelf life and the safety of perishable products. Using packaging material that prolongs a products shelf life can drastically cut down on the waste of perishable products. A great way to achieve this is by using a barrier protective film that reduces the amount of oxygen and moisture.

## KEY BENEFITS:

- + Resistance to gases such as oxygen, nitrogen, and carbon dioxide which makes it particularly suited for agro commodities and other perishable products.
- + The 7 layer Barrier film has excellent flex-crack resistance and exhibits a high resistance to hydrocarbons, oils and organic solvents.



PARAMETER	SPECIFICATION
Material	Multi Layer PE
Thickness (microns)	100±5%
Oxygen Transmission Rate (OTR),cc/m2/day at 0.1 MPa	≤5
Water vapour Transmission Rate (WVTR),/m2/day	≤5

# HERMETIC CONTAINER LINER

PRO 7 hermetic container liners are specially designed to protect and preserve the quality of dry agricultural commodities transported in the shipping containers.

## KEY BENEFITS:

- + The hermetic container liner provides moisture and gas barrier properties which reduces the effects of condensation and restricts the entry of moisture content air which facilitates the growth of fungus.
- + Provides safe, clean and hygienic bulk packaging solutions for all products.
- + Reduce the packaging and handling cost.



PARAMETER	SPECIFICATION
Material	Multi Layer PE
Thickness (microns)	100±5%
Oxygen Transmission Rate (OTR),cc/m2/day at 0.1 MPa	≤5
Water vapour Transmission Rate (WVTR),/m2/day	≤5





# PAPER BARRIER BAG

A paper barrier bag is a type of packaging material that combines the strength and recyclability and sustainability of paper with excellent oxygen and moisture barrier properties, making it ideal for food packaging applications. These bags are both strong and effective at preserving the freshness and quality of the food.

Application: Coffee, Spices, Tea, Nuts, Grains, Dried Fruits

PARAMETER	SPECIFICATION
Material	Paper with Barrier Liner
Bag Capacity (KGS)	25-50
Oxygen Transmission Rate (OTR), cc/m <sup>2</sup> /day at 0.1 MPa	≤2
Water vapour Transmission Rate (WVTR), /m <sup>2</sup> /day	≤2

## Certifications

**Sedex**

**BRCS**  
Packaging Materials

**ecovadis**



## Fully Integrated Manufacturers of



**FIBC  
Bags**



**Container  
Liners**



**Flexi  
Tank**



**Silo  
Bags**



**Barrier  
Films**



Vast Expertise  
From Textile &  
Polymer Industries



Advanced 7 Layer  
Blown Film Plants.  
First In Asia



In-house  
State Of The Art  
Testing Labs



Integrated From  
Extrusion To  
Finished Goods



Global  
Market  
Presence



Double Inspected  
Finished  
Products



World's 2nd  
Largest Producer Of  
High End Fibres



2 Million+ Sq. Ft. Of  
Manufacturing  
Facilities



Customised  
Solutions For  
All Applications



Customised  
Solutions For  
All Applications

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