

SAFE and CLEAN PACKAGING



Opening made easy

The Hot Lock Bags® can be equipped with the 'easy open' and 'tear top' opening features. Both provide a tear strip either at the bottom or the top of the bag. The bag can be opened easily, cleanly and without the need for tools. The contents of the bag can be accessed quickly, and the PE inliner and paper bag can be separated conveniently – the so-called stripping of paper bags before entering the next high-level, risk-free production zone. Mondi offers advice on which composition is fit for use. The easy opening features also prevent contamination by paper particles when opening the bag.

Your key benefits

- Hygiene certified production (HACCP, BRC/IoP, ISO 22000)
- Instant and effective closure
- Reliable product protection
- Efficient filling and smooth production
- Stable bags and optimal palletising
- Easy-open feature

Available features

- PE-inliner
- Easy open feature
- Tear top opening

Areas of application

The Hot Lock Bag® is ideally suited for hygiene-sensitive products:

- Food, e.g. milk powder, lactose powder, starch
- Pharmaceuticals, milled lactose, baby food
- Chemicals

Find out
more about
Hot Lock Bag®.



LOCK in NATURE'S FLAVOUR

HOT LOCK BAG®

Product hygiene and safety –
without compromise.



SUSTAINABLE by DESIGN

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SMART and HYGIENIC CLOSURE

HOT LOCK BAG®

The **Hot Lock Bag®** is the ideal solution for packaging goods under strict hygiene standards. This is particularly the case for food, chemicals and pharmaceutical products. Produced under strict hygienic conditions, this open-mouth bag combines functional features for easy closure, reliable storage and convenient opening.

How does it work?

During bag production a strip of hot melt is applied to the top opening of the open-mouth bag. After the bag is filled, the hot melt is heated up, which activates its adhesive properties, thus enabling clean and easy closure. This solution does not rely on a sewn closure or adhesive tape and therefore helps guarantee hygiene standards.

Hygiene starts at packaging production

The **Hot Lock Bag®** is produced under strictly certified hygiene conditions. Mondi carefully selects and processes the raw materials for these bags in a hygiene-certified production environment (HACCP, BRC/IoP, DIN EN 15593 or ISO 22000). As a certified supplier of paper bags for hygiene-sensitive industries such as the food and pharmaceutical sectors, Mondi offers packaging solutions guaranteeing clean and safe packaging.

- Extended storage
- Easy opening



Reliable closure conforming with hygiene standards (HACCP, BRC/IoP, ISO 22000): Pre-applied hot melt coating on the open side of the bag is re-activated by heat and forms a solid pinch closure

DA (Food and Drug Administration)



- HACCP (Hazard Analysis and Critical Control Points): a systematic preventative approach to food and pharmaceutical safety during the manufacturing process
- BRC/IoP (British Retail Consortium/Institute of Packaging): the global standard for packaging and packaging materials
- DIN EN 15593: requirements for hygiene management in the production of foodstuff packaging
- ISO 22000 (International Standardisation Organisation): food safety management systems – requirements for all organisations in the food chain

Instant and effective closure technique

The hot melt adhesive used for the **Hot Lock Bag®** is a high-performance adhesive approved by the US Food and Drug Administration (FDA). Its adhesive properties are reactivated by the heat emitted in pinch top closing machinery. This closing technique provides an instant and effective closure method that optimally supports a smooth and lean filling process. Since the closure component is already integrated in the **Hot Lock Bag®**, no additional material needs to be handled or purchased, reducing the complexity of your handling, procurement and warehousing.

Reliable product protection

Mondi uses a special method for producing the stepped end of the open-mouth bag and an effectively engineered positioning method to apply the reactive hot melt adhesive to the closure zone. This produces compact and tight strips of hot melt adhesive that remain intact throughout the handling process all the way to the end user. This technique guarantees a sift-proof and reliable closure.



Highest hygiene standards are required for filling goods such as flour, milk powder or milled lactose

PE liners for additional product safety

In addition to a reliable closure, a PE inliner can be added to the inside of the **Hot Lock Bag®** to ensure maximum product protection. They are commonly used in combination with the **Hot Lock Bag®** to meet the storage and handling requirements of sectors such as the food industry. A recent innovation substantially improves the unfolding and forming of the bag bottom, thus ensuring reliable and optimised bag filling. To produce an optimum moisture barrier, the PE inliner is sealed at the bottom by Mondi and can be sealed at the top by the customer after the paper bag is filled.

Efficient filling and smooth production

The **Hot Lock Bag®** is designed to be filled on high-performance packaging lines and optimised for filling equipment and bag application requirements. Close co-operation with machinery producers and fillers enables Mondi to provide extensive expertise and adapted solutions for a smooth production process.

Stable bags and optimal palletising

The **Hot Lock Bag®** features a cross bottom shape. This improves the stability of the bag during transport along the packaging line. In addition, it ensures compact palletising.