

MELTOBOND
PS910 | PS915 | P770

Packaging

- Maximum thermal stability
- Resistant and long-lasting bonding also in extreme conditions
- Energy savings and reduced consumption
- Maintenance and machine downtime reduction



The **technical adhesive** that simplifies even the most **complex packaging**



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From its beginning to date, packaging has gone through a constant evolution in terms of functions and materials. **To protect** the goods while remaining practical and easy to handle, **to travel** long distances, **to withstand** impact and contamination from chemical agents, **to promote** the brand coherently and offer the client not only all of the information on the product, but also the best purchasing experience.

From single-material glass, metal or paper packaging, with ranges of PVC, nylon and polystyrene up to the most modern poly laminates designed to be attractive, experiential and performing, today we are faced with an **unlimited variety of surfaces, finishes and coatings**.

The **sustainability and safety** standards required by the packaging industry are increasingly stricter and more challenging, while new technologies compete to develop innovative solutions capable of fulfilling the increasingly sophisticated consumer needs.

In this scenario characterised by speed and complexity, to reduce the margin of error while guaranteeing the best assembly performance it is not enough to master the chemistry of the adhesive, rather it is essential to have an extensive knowledge of the **geometry of the joints**, the **surface of the substrate** and the **intended use** of the finished product.

From this mixture of skills, infinite bonding options develop: the range of **MELTOBOND technical adhesives** for the packaging sector includes over **60 specific formulations for each application**, from special freezer packages to heat-resistant and food-safe solutions up to standard options.

Our experience allows us to immediately recognise criticalities and quickly identify the best solution from those in the range, or create it tailor-made for a totally customised result. ▶



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Choose the right technology

Packaging is a crucial point for every production line: **reducing errors and machine downtime** in this phase optimises and increases production.

The range of **HOLASO** adhesives for packaging includes ad hoc solutions for every type of application, including the most modern metallocene hot melts, which, compared to other technologies, offer the certainty of a more performing result, as well as reduced costs due to increased production efficiency.

Thanks to excellent adhesion and short setting times, they guarantee a safe and long-lasting closure even at high speeds and on difficult substrates. They are also characterised by greater adaptability to temperature changes in the packaging environment.

In fact, all Termomelt Ecotops are tested to **withstand even the highest thermal stress**. Whatever unforeseen event means leaving the adhesive in the melter, this will not compromise the chemical-physical properties or the colour of the adhesive once applied: our tests guarantee resistance up to 120 hours at 180°C.

Efficiency, safety and sustainability

The entire range has been designed to offer **maximum efficiency in the production phase**. The excellent thermal stability translates into less carbonisation and therefore less need for maintenance, while the formula allows you to use **up to 30% less adhesive** than EVA hot melts and to operate at lower temperatures, to ensure maximum sustainability and energy savings.

All Ecotops are odourless and approved for **direct contact with food**, making safe bonding possible even on the most challenging packaging in terms of food safety.



Whatever the characteristics of your packaging process, HOLASO adhesives offer a **technical solution, which is **tested** and if necessary, **tailor-made** for every production requirement.**





Switching from other adhesives to HOLASO MELTOBOND

The transition from other hot melt adhesives to HOLASO technical adhesives is quick and easy. Our R&D Centre and technical support have the necessary tools and experience to ensure a smooth and effective replacement. Below is a list of the main criticalities regarding the hot melt adhesives used in packaging and the suggestions for solving them: we are at your disposal for further information.

THE BONDING OPENS

When the bonding opens it is necessary to check how the adhesive behaves on the surfaces being bonded:

What to do

- ✓ If adhesive remains on both surfaces, it is necessary to reduce the amount of glue or lower the application temperature or extend the pressing time, ensuring that the application surface is suitable.
- ✓ If there is no or just a small amount of adhesive on one surface, it is necessary to increase the amount of glue or increase the application temperature or check that the thermostat, tubes and nozzles are working and clean.

STRINGS DURING APPLICATION

The processing temperature might be too low or the applicator and packaging might be too far away.

What to do

- ✓ Increase the processing temperature
- ✓ Reduce the distance between applicator and packaging

FLOW INTERRUPTED OR IRREGULAR APPLICATION

It may be that the heating or the thermostat in the basin are faulty, that the pressure is too low or that the filter and nozzles are clogged.

What to do

- ✓ Checking and repairing faulty parts
- ✓ Clean the system, check the pressure and the application temperature

BUBBLES IN THE GLUE FILM

The adhesive might be over-heated, the pre-melting tank might not contain any glue or the adhesive might contain humidity.

What to do


- ✓ Adjust the temperature
- ✓ Maintain the right level of adhesive in the tank
- ✓ Dry the glue

THE BEST TECHNICAL ADHESIVES FOR YOUR PACKAGING



| | | Multipurpose, maximum versatility | High adhesion and plasticity | Excellent adhesion on difficult substrates |
|--------------------------------------|--|--------------------------------------|---------------------------------|---|
| | | MELTOBOND PS915 | MELTOBOND PS910 | MELTOBOND P770 |
| CHEMICAL-PHYSICAL CHARACTERISTICS | Base | Special polymers | Polyolefin | EVA |
| | Colour | Transparent White | Transparent White | Transparent Yellow |
| | Brookfield Viscosity 170°C/*140°C (mPa.s) | 1200 | 1250 | 1100 |
| | R&B (°C) | 116 | 107 | 112 |
| | Open Time | Medium short | Short | Medium |
| APPLICATIONS | Heavy/ rigid cardboard | ++++ | ++++ | ++++ |
| | Printed/ varnished cardboard | ++++ | ++++ | +++ |
| | Plasticized cardboard | + | ++ | + |
| | Frozen food packaging | + | +++ | ++ |
| | Hot material packaging | + | + | +++ |
| | Fruit and vegetable trays | ++++ | ++++ | ++++ |

Choose your technical adhesive now. Contact us on

 **+98 21 222 53619**
+98 21 2292 0639

The listed products only represent a selection of our catalogue of products available.

Our R&D centre and sales representatives are available to provide advice and support to find the best adhesive for every specific requirement.

TECHNICAL TESTED TAILOR-MADE

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