Product Information Sheet

Product
Sealing Film for PP (polypropylene) trays.

This crystal-clear sealing films for PP trays are the perfect choice for a tight, secure, and long-lasting closure of PP trays. They are equipped with an antifog feature, which prevents condensation build-up on the film, making sure your food always looks good. They can be used in temperatures up to 100 °C and they also have a good oxygen barrier, making them suitable for MAP use.

Material
Multilayer film made from oriented polyamide (PA) with a polypropylene) (PP) sealing layer.

Packaging
Inner: Polyethylene (PE)
Outer: Corrugated board box

Technical information

Property	Unit	Method	Nominal value
Thickness	µm		63
WVTR	g /m²/24h, 23°C/ 50% RH	ASTM E-96	<1,5
Oxygen transmission	cc/m²/24h, 23°C/50%RH	ASTM D 3985	<40
Oxygen transmission	cc/m²/24h, 4°C/50%RH	CALC.	<4
CO_2 transmission	cc/m²/24h, 23°C/50%RH	CALC.	<200
Sealing temperature	°C		150-180

Area of use
The sealing film can be used safely with all types of food under following conditions:

- any long-term storage at room temperature or below
- Temperatures:
  - 70°C for up to 4 hours, or
  - 100°C for up to 2 hours (including hotfill conditions)
  - 121°C for up to 1 hour
- Microwave oven (make sure to puncture the film before use if sealed to a box or tray to allow the steam to ventilate).

The film is not suitable for use in conventional oven.

There is an antifog agent on the sealable side. The antifog effect may decrease after 6 months.
The process ability and the various properties of this film (resistance of the sealing, mechanical properties, antifog effect - this one may be lost during a thermic treatment) in these conditions must be validated by the customer.

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DUNI GROUP
P.O. Box 237 | SE-201 22 Malmö | Sweden
Phone +46 40 10 62 00 | Org.No. 5565367488 | Reg.Office Malmö
www.dunigroup.com

High temperatures recommendations
The film can be used at temperatures up to 100°C according to the migration tests performed (see Test conditions), but at high temperatures, the material loses some of its mechanical properties. The pressure created when packed under MAP (modified atmosphere packaging) may cause the sealing to break.

Remove the film from the tray if it is used in temperatures above 100°C.

Low temperatures recommendations
In frozen conditions, plastic sealing film generally becomes more brittle due to the low temperatures, which can affect its flexibility and potentially its sealing properties. If the film is used in frozen condition, be aware:

- The film may become less flexible and may crack or tear more easily.
- Freezing can weaken the seal of the film over time. For food packaging, this could lead to freezer burn or moisture loss if the seal breaks or weakens.
- Handle frozen packages gently.

Sealing of Tray/Cover
When sealing the trays through welding, a small amount decomposition product is formed. As always when working with heating and melting materials, adequate ventilation is very important. In most cases a kitchen fan will be sufficient to evacuate the emissions that may arise.

Good sealing can be obtained with different kinds of seal films. Due to the variety of seal films and applications the sealability should be tested by the end user for best acceptance.

Product Safety
The product fulfils the following:

- Article 3, 11(5), 15 and 17 of Regulation (EC) No 1935/2004 (Framework regulation)
- EU Regulation 2023/2006/EC (GMP)
- EU Regulation 10/2011/EC with amendments (Plastic regulation)
- EU Regulation (EU) 2024/3190 on the use of bisphenol A (BPA) and other bisphenols
- Duni manufacturing units are certified according to the international quality system ISO 9001. They have also implemented or will implement the environmental management system ISO 14001.

Packaging and Packaging Waste
The product and its packaging comply with all essential requirements of Directive 94/62/EC on packaging and packaging waste as well as the forthcoming Packaging and Packaging Waste Regulation (PPWR), Regulation (EU) 2025/40.

Storage conditions
In order to secure/ensure product safety the film must be stored in their original wrappings and protected from rain, direct sunlight or other sources of UV light. Any reels with their protective wrapping removed shall be stored either in recommended conditions or be repacked. The recommended storage conditions are in dry condition and 15-25°C. If storing conditions differ essentially from the recommendations, the reels shall be conditioned for 24 hours in recommended storing conditions prior to use. We recommend using the film within 12 months from the manufacturing date.

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Environmental Aspects
Product
The product consists of 100 % virgin plastic based on fossil sources.

Packaging
PE foil is made from fossil sources and is used for packaging purposes and the corrugated board box is primarily made of recycled fibers.

End of Life
Recycling
Collection, sorting and material recovery are all part of the recycling process. Recycling is dependent on local waste handling infrastructure. Ease and recyclability of a product depend on the type of material, composition and sometimes color.

The product is a multilayer plastic film composed of polyethylene (PP) and polyamide (PA). In current waste-management systems, such structures are typically not suitable for mechanical recycling within the PE stream. End-of-life handling depends on local collection and treatment systems. Please consult your local waste-management guidelines for market-specific recycling instructions.
The packaging materials may be sorted with paper or plastic for recycling.
Local waste-management guidelines should always be consulted for market-specific recycling instructions.

Energy Recovery
Incineration facilities for energy recovery are dependent on local infrastructure. Incineration for energy recovery is a good alternative when material recovery is not available by recycling.

Validity
This is issued 2026-04-22. It is revised when there is a change in the manufacturing process, in the product or in legislation.

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