

## ENVIRONMENTAL AND PRODUCT DATA 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 degrees and they also have a good oxygen barrier, making them suitable for MAP purposes.

### Raw Material

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

### Packaging

Inner: PE + Cardboard

Outer: Corrugated board box

### Field Of Application

The film can be used safely with dry, aqueous, acidic, fatty, low alcoholic food and is suitable for use under the following conditions:

- Long term storage above 6 months at room temperature or below
- Heating up to 121°C for up to 2 hours, or
- Warm keeping at 70°C for up to 4 hours
- Microwave oven

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.

### Technical properties

Property	Unit	Method	Nominal value
Thickness	µm		63
WVTR	g /m <sup>2</sup> /24h, 23°C/ 50% RH	ASTM E-96	<1,5
Oxygen transmission	cc/m <sup>2</sup> /24h, 23°C/50%RH	ASTM D 3985	<40
Oxygen transmission	cc/m <sup>2</sup> /24h, 4°C/50%RH	CALC.	<4
CO <sub>2</sub> transmission	cc/m <sup>2</sup> /24h, 23°C/50%RH	CALC.	<200
Sealing temperature	°C		150-180

### 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, an adequate ventilation is very important. In most cases a kitchen fan will be sufficient to evacuate the emissions that may arise.

### EC Directive 94/62/EC on Packaging and Packaging Waste

The packaging complies with all essential requirements as defined by 94/62/EC.

For example minimum adequate amount of packaging, limitation of heavy metal content, recyclable through at least one of the following: reuse, material recovery, energy recovery or composting.

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## ***Environmental Aspects***

### ***Product***

The plastic in this film is made from fossil sources.

### ***Packaging***

PE foil is made from fossil sources and is used for packaging purposes and the corrugated board box is to a large extent made of recycled fibres.

## ***Product Safety***

The product / raw material fulfil the following:

- EU Regulation 1935/2004/EC, Material and products intended for contact with foodstuff.
- EU Regulation 2023/2006/EC, Good Manufacturing Practice.
- EU Regulation 10/2011/EC with amendments, Material and products of plastic produced for contact with food.
- Migration tests on the article material performed by an independent institute showed that under appropriate test conditions, overall and specific (when relevant) migration falls considerably below the limit given by regulation 10/2011. (For further details, see *Declaration of Compliance*).
- 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.

## ***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 at 40 – 60 % relative humidity and 18 – 24 °C. If the storing conditions differ essentially from the recommendations, the reels shall be conditioned for 24 hours in recommend storing conditions prior to use. We recommend using the film within 12 months from manufacturing date. After said time complaints are usually not accepted.

## ***Management Of Used Products***

### ***Recycling***

The product may be recycled with plastic. However, recycling depends on collection, sorting and general material acceptance. Always consult with a local waste handler for recycling recommendations.

Recycling of the plastic- and the corrugated board packaging is possible for producing new products.

### ***Energy Recovery***

All the materials are suited for energy recovery. Incineration of mixed waste for energy recovery is a good end-use of products. Paper and plastic may burn well with low emissions.

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 2023-05-24. It is revised when there is a change in the manufacturing process, in the product or in legislation.