

ENVIRONMENTAL AND PRODUCT DATA SHEET

Product

Universal sealing film for PP and PET trays.

Our universal sealing film is the best choice when you need one film that seals against several different types of materials, e.g., PP, PET and PE. Can be used in temperatures up to 180 degrees. The film can seal most types of materials.

Material

Multilayer film

Packaging

Inner: PP + Cardboard

Outer: Corrugated board box

Field Of Application

Based on the migration tests and Declaration of Compliance, the articles can be used safely with all types of food under following

- any long-term storage at room temperature or below
- hot fill conditions (also when packed under these conditions)
- high temperature applications (4 hours at 100°C)
- microwave

The film can be used at temperatures up to 175°C according to migration tests performed (see Test conditions), but at those high temperatures, the material loses some of its mechanical properties. The pressure created when packed under MAP (modified atmosphere packaging) will most likely cause the sealing to break.

Duni's recommendation is to remove the film from the tray if used in temperatures above 100 °C.

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.

Environmental Aspects

Product

The plastic in this film is made from fossil sources.

Packaging

PP foil is made from fossil sources and is used for packaging purposes. 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.

Processing and Storage

- Recommended storage conditions: 15°C-25°C in a dry place, away from direct sunlight.
- Maximum storage time from point of unloading of goods to be 12 months, if stored as recommended.
- Sealing temperature of 140°C-210°C depending on the sealing layer.

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 2023-12-14. It is revised when there is a change in the manufacturing process, in the product or in legislation.