

ENVIRONMENTAL AND PRODUCT DATA SHEET

Product

Sealing Bio film

Material

Cellulose (96%)

Coating (4%) for improved sealing performance

Packaging

Inner: Polyethylene PE

Outer: Corrugated board box

Field of Application

The film can be used for sealing Duni laminated fibre trays. The film can be used for all kinds of food under the following under following conditions¹:

- Chilled condition and ambient temperature (up to 40°C) for more than 24 hours.
- Heating up to 70°C for up to 2 h or up to 100°C for 15 minutes (hotfill) follow by long term storage at room temperature or below.
- Oven maximum 150°C for 45 min
- Microwave heating up to 3 minutes at 900 W

Sealing temperature levels:

- Sealing temp/time: 110-140°C / 0,5-1 sec.

N.B. As with any film, a fast transition from cold/freeze to immediate hot temperatures may cause the film to wrinkle and break. Long exposure to hot temperatures may cause the film to be difficult to peel off.

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.

¹ Be aware the food itself can set limitations on long term storage due to microbiological activity.

Environmental Aspects

Product

The film is made from wood and biobased content is 96 %.

Packaging

Polyethylene is a polymer produced from refining of mineral oil or natural gas. The polymer consists simply of carbon and hydrogen.

The corrugated board box is made from wood, which is a renewable resource.

Product Safety

The product fulfils 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 foodstuff.
- 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.
- EU Directive 2007/42 on regenerated cellulose film.
- Duni manufacturing units are certified according to the international quality system ISO 9001 and environmental system ISO 14001 14001 as well as to BRC for hygiene.

Management of Used Products

Energy Recovery

All materials are suited for energy recovery through incineration. Complete combustion gives mainly rise to carbon dioxide and water. The energy content of plastics/paper is comparable to that of oil/ wood.

Recycling

Currently, there is no recycling stream for the kind of material in the film. While it may be collected, it will not be recycled. For further details, check with the local recycling company.

Packaging material can be recycled as plastic and cardboard.

Compostability

The product complies with standard AS5810-2010 (*Biodegradable plastics – biodegradable plastics suitable for home composting*), NF T51 – 800:2015 (*Plastics – Specifications for plastics suitable for home composting*) and Certification scheme

Products made of compostable materials for home and garden composting (2016-02) and is also labelled with the DIN Geprüft-label (Gartenkompostierbar).

Handling and Storage

It is recommended to be stored in its original wrapping at temperature 17°C - 23°C and relative humidity 35-55 %. It is suitable for use for 6 months from the date of delivery. For best performance, films should be allowed to reach operating room temperatures for 24 hours before use.

Validity

This is a copy of a document issued 2024-05-17. It is normally updated every second year or when there is a change in the manufacturing process, in the product or in legislation. To make sure that you have the latest edition, contact Duni Group.