Environmental and Product Information Sheet

Product
Trays and bowls (various colors)

Raw Material
Polypropylene (PP)

Packaging
Inner: Polyethylene
Outer: Corrugated board

Field Of Application
The PP-trays are intended for deliveries of individual portions of ready-cooked meals from large-scale households. Multiple use is not applicable as these products are intended as disposable products for single use.

The articles can be used safely with all types of food under following conditions:

	Application	**Specific conditions**	
		Temperature (°C)	**Period food contact**
✓	Storage in freezer*	-18 – 0	Very long (>> 10 days)
✓	Storage in fridge	0 – 10	Long (> 10 days) The food itself probably sets the limitation
✓	Storage at room temperature	Max 40	Long (> 10 days) The food itself probably sets the limitation
✓	Keeping warm applications	< 70	< 4 hours
✓	Hotfill & serving temperature	< 121	Immediate use
✓	Microwave oven		Short (< 10 min)
No	Conventional application	< 220	Short (< 2 h)

Heat resistance
Due to natural weakness at high temperatures, the heated products must be handled carefully the first minutes after being taken out of an oven or microwave. As temperature decreased the stiffness will be retained.

Heating will cause shrinkage of the material.

*Strength impact**
The product is designed to withstand normal handling in frozen condition, but special care is required when handling the products in cold conditions.

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Minimum temperature is -18 °C. As the product becomes brittle at low temperatures, the following recommendations should be followed to avoid damage of the products:

- being frozen, the items have to be handled very careful
- stack the finished products upright in the case and do not over stack the products
- avoid that the products can move and shift in the packaging during transport.

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

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 product consists of 100 % virgin PP based on fossil sources.

Packaging
Polyethylene is made by refining of mineral oil or natural gas. The polymer consists simply of carbon and hydrogen. The corrugated board box is to a large extent made of recycled fibres.

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

Product Safety
The product fulfils the following:

- Regulation (EC) No 1935/2004 (Framework regulation)
- EU Regulation 2023/2006/EC (GMP)
- EU Regulation 10/2011/EC with amendments, Material and products of plastic produced for contact with food.
  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.

Storage conditions
Recommended storage conditions: 15°C-25°C in a dry place, away from direct sunlight.

End of Life
Recycling
Collection, sorting and material recovery are all part of the recycling process. Recycling is dependent on local waste handling infrastructure.

PP can be recycled with the same collection and recycling stream as plastic. Ease and recyclability of a product depends on the type of material, composition and sometimes colour. Check with local waste handling to get the correct information.

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.

Plastic products can be incinerated for energy recovery.

Validity
This is issued 2025-05-12. It is revised when there is a change in the manufacturing process, in the product or in legislation.