

ENVIRONMENTAL AND PRODUCT DATA SHEET

Product

ReDine REUSABLE assortment
- Glass (Elegance)

Material

Tritan

Packaging

Inner: Polyethylene (PE)
Outer: Corrugated board

Area of Use

The glass can be used safely for repeated use with all types of beverages under following conditions:

- Cold use
- Long term storage in ambient and cold conditions (refrigerator and freezer)

This item should not be used in microwave oven.

Wash and Reuse

The ReDine assortment has an extra sturdy design and has been evaluated for dishwasher usage. The products are dishwasher proof and suitable for industrial washing facilities. With correct use and single placement in washing racks product should not deform. However, if placed in a dishwasher where the items are allowed to spin, deforming may occur. This is because at higher temperatures the plastic softens which enables deformation and after cooling down, shape remains.

Samples have been visually evaluated before any washing cycle and subsequently after 125, 250 and 350 washing cycles in accordance with EN 12875-2 for the detection of any defects/alterations that may have appeared. It was concluded that the products withstand a washing process at 55 °C for up to 350 cycles, but please note:

- The glossiness may fade after 125 cycles and cloudiness may be visible
- Cracks and/or breakages as well as scratches may be found on the glasses before 350 cycles due to different capacities of dishwasher.
- Stability of the glasses remains after 250 cycles, then noticeable change can be detected.

Washing of the items is recommended within 48 hours after its use.

Handling the products with care and in a correct way extends the number of times the plates can be rotated in the market.

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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*

Tritan is a copolyester which means it is a combination of diacids and diols that have been added to the base plastic. These additions lend their own properties to make the new material strong, clear and resistant to heat and chemical degradation. Thanks to its strength and clarity, Tritan is a good material for food and beverage containers.

Packaging

Polyethylene is made from fossil sources. The corrugated board box is to a large extent made of recycled fibers.

Product Safety

The product fulfils the following:

- EU Regulation 1935/2004/EC, Material and products intended for contact with food.
- EU Regulation 2023/2006/EC, Good Manufacturing Practice.
- 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.

End of Life

Before handling it as waste, please make sure the items are used as many times as possible as they are designed for multiple use.

Recycling

Collection, sorting and material recovery are all part of the recycling process. Recycling is dependent on local waste handling infrastructure. Consult with a local waste handler for the most suitable recycling recommendations.

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 2024-03-21. It is revised when there is a change in the manufacturing process, in the product or in legislation.