

100-NB03

Product Technical Information

Polypropylene - Homopolymer

100-NB03 is a polypropylene grade intended for sheet extrusion and thermoforming applications requiring improved transparency and higher stiffness than conventional polypropylene. It is nucleated and clarified but does not contain any antistatic agent. It offers a good balance between easy flow and mechanical properties and features very good optical properties and good thermal stability of end products.

Benefits & Features

- Very good optical properties
- High stiffness of end products
- Moderate foaming (beer cups)
- Good thermal stability
- Easy processing in both forming and cutting

Applications

- Beer cups
- Transparent trays for biscuits, fruit and vegetables
- Containers for various food products

Properties	Conditions	Test Methods	Values	Units
Rheological				
Melt Flow Rate	230°C / 2.16 kg	ISO 1133-1	3	g/10min
Mechanical				
Flexural Modulus	23°C	ISO 178	1800	MPa
Izod Impact Strength, notched	23°C, A	ISO 180	3	kJ/m ²
Tensile Strength at yield		ISO 527-1,-2	39	MPa
Vicat Softening Temperature	Method A (10N)	ISO 306	156	°C
Thermal				
Melting Point		ASTM D3418	165	°C
Crystallisation Temperature		ASTM D3418	129	°C
Data should not be used for specification work				



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Storage

The product should be stored in a dry and dust free environment at temperature below 50°C. Exposure to direct sunlight should be avoided as this may lead to product deterioration.

It is advised to process the product within maximum one year after delivery.

Regulatory Information

The product and uses described herein may be subject to specific requirements or limitations for use in certain applications like food contact, drinking water or medical devices. Further information may be obtained from the website www.ineos.com where a specific Regulatory Certificate is available for each grade under the heading "SDS & Regulatory Certificate".

Unless specifically indicated, the product mentioned herein is not suitable for applications in the medical or pharmaceutical sectors.

Health and Safety Information

The product described herein may require precautions in handling. The available product health and safety information for this material is contained in the Safety Data Sheet (SDS) that may be obtained from the website www.ineos.com. Before using any material, a customer is advised to consult the SDS for the product under consideration for use.

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