



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.

Applications

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

Benefits and Features

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

Properties		Test Methods	Values	Units
Physical				
Melt Flow Rate	230°C/2.16kg	ISO 1133	3	g/10min
Mechanical				
Flexural Modulus	@ 23°C	ISO 178	1800	MPa
Tensile Strength	@ Yield	ISO 527-1,-2	39	MPa
Izod Impact Strength, notched	@+23°C	ISO 180/1A	3	kJ/m ²
Thermal				
Melting Point		ASTM D 3417	165	°C
Crystallisation Temperature		ASTM D 3417	129	°C
Vicat Softening temperature	@ 10 N	ISO 306/A	156	°C

Data should not be used for specification work

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.