Manufacturer website: https://www.ineos.com/businesses/ineos-olefins-polymers/

102-CA03

Product Technical Information

Polypropylene - Homopolymer

102-CA03 is a fully formulated grade intended for sheet extrusion and thermoforming applications requiring improved transparency and higher stiffness than conventional polypropylene. It is nucleated and clarified and contains a low level of antistatic agent. It offers a good balance between easy flow and mechanical properties and features very good optical properties, easy de-nesting and good thermal stability of end products.

Applications

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

Benefits and Features

- Very good optical properties
- High stiffness of end products
- Easy de-nesting
- Good thermal stability
- Easy processing in both forming and cutting

Properties		Test Methods	Values	Units
Physical				
Melt Flow Rate	230ºC/2.16kg	ISO 1133	3	g/10min
Mechanical				
Flexural Modulus	@ 23ºC	ISO 178	1800	MPa
Tensile Strength	@ Yield	ISO 527-1,-2	39	MPa
Izod Impact Strength, notched	@+23ºC	ISO 180/1A	3	kJ/m²
Thermal				
Melting Point		ASTM D 3417	165	ºC
Crystallisation Temperature		ASTM D 3417	129	ºC
Vicat Softening temperature	@ 10 N	ISO 306/A	156	ºC

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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 require global product registrations and notifications for chemical inventory listings, or for use in food contact or medical devices. For further information, send an email to psnohreg@ineos.com. Unless specifically indicated, the products mentioned herein are not suitable for applications in the medical or pharmaceutical sector.

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 Material Safety Data Sheet (MSDS) that may be obtained from the website www.ineospolyolefins.com . Before using any material, a customer is advised to consult the MSDS for the product under consideration for use.

Exclusion of Liability

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