



102-CA03S

Provisional Product Technical Information

Polypropylene - Homopolymer

Benefits & Features

102-CA03S 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.

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

Applications

102-CA03S is a fully formulated grade intended for sheet extrusion and thermoforming applications requiring improved transparency and higher stiffness than conventional polypropylene.

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

Properties	Conditions	Test Methods	Values	Units
Physical				
Melt Flow Rate	230°C/2.16Kg	ISO 1133-1	3	g/10min
Mechanical				
Flexural Modulus	23°C	ISO 178	1800	MPa
Tensile Strength at Yield	23°C	ISO 527-1,-2	39	MPa
Izod Impact Strength, notched	23°C	ISO 180/A	3	KJ/m ²
Thermal				
Melting Point		ASTM D 3417	165	°C
Crystallization Temperature	DSC	INEOS Test Method	129	°C
Vicat Softening Temperature	10N	ISO306/A50	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.