



103-CA03S

Provisional Product Technical Information

Polypropylene - Homopolymer

103-CA03S 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..

Benefits & Features

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

Applications

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

Properties	Conditions	Test Methods	Values	Units
Rheological				
Melt Flow Rate	230°C/2.16kg	ISO 1133-1	3	g/10min
Mechanical				
Flexural Modulus	23°C	ISO 178	1900	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
Optical				
Haze	1mm Thickness	ASTM D 1003	18	%
Thermal				
Melting Temperature	DSC 2nd heating 10°C/min	ISO 11357-3	165	°C
Crystallization Temperature	DSC	INEOS Test Method	132	°C
Heat Deflection Temperature	0.45 MPa	ISO 75-2	90	°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.