



# 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
<b>Physical</b>				
Melt Flow Rate	230°C/2.16kg	ISO 1133	3	g/10min
<b>Mechanical</b>				
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 <sup>2</sup>
<b>Thermal</b>				
Melting Point		ASTM D 3417	165	°C
Crystallisation Temperature		ASTM D 3417	129	°C
Vicat Softening temperature	@ 10 N	ISO 306/A	156	°C

## 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.