



100-CA50S

Product Technical Information

Polypropylene - Homopolymer

Benefits & Features

- High speed moulding
- Good processability

Applications

100-CA50S is a nucleated and antistatic high flow rate homopolymer designed for high speed injection moulding. It offers a good balance of stiffness and flow.

- Thin walled containers for dairy and fresh food
- Food trays
- Houseware articles
- Disposables

Properties	Conditions	Test Methods	Values	Units
Physical				
Melt Flow Rate	230°C/2.16Kg	ISO 1133-1	50	g/10min
Mechanical				
Flexural Modulus	23°C	ISO 178	1550	MPa
Tensile Strength at Yield	23°C	ISO 527-1,-2	36	MPa
Izod Impact Strength, notched	23°C	ISO 180/A	3	kJ/m ²
Charpy Impact Strength, notched	23°C	ISO 179/A	2.2	kJ/m ²
Shore Hardness	Shore D	ISO 868	71	-
Thermal				
Heat Deflection Temperature	0.45 MPa	ISO 75-2	115	°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.