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

100-CA50S complies with EU food legislation but does not meet FDA requirements (21CFR 177.1520).

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/m2
Charpy Impact Strength, notched	23°C	ISO 179/A	2.2	kJ/m2
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

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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 be subject to specific requirements or limitations for use in certain applications like food contact, drinking water or medical devices. Further information may be obtained from the website www.ineos.com where a specific Regulatory Certificate is available for each grade under the heading "SDS & Regulatory Certificate".

Unless specifically indicated, the product mentioned herein is not suitable for applications in the medical or pharmaceutical sectors.

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

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