402-CB12

Product Technical Information

Polypropylene – Impact Copolymer

402-CB12 is an antistatic and nucleated high impact copolymer for injection moulding applications. It offers excellent impact resistance, superior flexural modulus, very good flow properties and low warpage.

Benefits & Features

- Good flow properties
- Enhanced cycle time
- Low warpage
- Antistatic
- Nucleated

Applications

- Pails
- Containers
- Crates
- Housewares
- Toys

Properties	Conditions	Test Methods	Values	Units
Rheological				
Melt Flow Rate	230°C/2.16Kg	ISO 1133-1	12	g/10min
Mechanical*				
Flexural Modulus	23°C	ISO 178	1350	MPa
Tensile Strength at Yield	23°C	ISO 527-1,-2	25	MPa
Izod Impact Strength, notched	23°C	ISO 180/A	10	kJ/m2
Izod Impact Strength, notched	-20°C	ISO 180/A	6	kJ/m2
Charpy Impact Strength, notched	23°C	ISO 179-1/1eA	10	kJ/m2
Charpy Impact Strength, notched	-20°C	ISO 179-1/1eA	5	kJ/m2
Thermal				
Heat Deflection Temperature	0.45 MPa	ISO 75-2	96	°C

Data should not be used for specification work

* Values determined on injection moulded specimens acc. to ISO 1873-2, based on 7 days conditioning time

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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.

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