



# 401-CB50

## Product Technical Information

Polypropylene – Impact Copolymer

### Benefits & Features

- Improved stiffness
- High impact
- Good flowability
- Antistatic
- Controlled rheology

### Applications

**401-CB50** is a nucleated and antistatic high flow and high impact copolymer ideally suited for fast cycling, thin walled injection moulded applications.

- Rigid packaging
- Yellow fat containers
- Ice cream containers
- Housewares
- Appliances

Properties	Conditions	Test Methods	Values	Units
<b>Physical</b>				
Melt Flow Rate	230°C/2.16Kg	ISO 1133-1	50	g/10min
<b>Mechanical</b>				
Flexural Modulus	23°C	ISO 178	1300	MPa
Tensile Strength at Yield	23°C	ISO 527-1,-2	24	MPa
Izod Impact Strength, notched	23°C	ISO 180/A	7.5	kJ/m <sup>2</sup>
Izod Impact Strength, notched	-20°C	ISO 180/A	4.2	kJ/m <sup>2</sup>
Charpy Impact Strength, notched	23°C	ISO 179/A	6.6	kJ/m <sup>2</sup>
Charpy Impact Strength, notched	-20°C	ISO 179/A	3.5	kJ/m <sup>2</sup>
Shore Hardness	Shore D	ISO 868	68	-
<b>Thermal</b>				
Heat Deflection Temperature	0.45 MPa	ISO 75-2	98	°C
<b>Data should not be used for specification work</b>				

### 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.