

CB 5000 MO

Technical Data Sheet

Polypropylene, Impact Heterophasic Copolymer



Product Description

CB 5000 MO is polypropylene impact copolymer. With its high flow, excellent dimensional stability, and superior balance of stiffness and impact, this grades is especially suitable for injection molding.

Potential end use applications of CB 5000 MO include electrical appliance parts, automotive parts, food packaging and housewares.

This grade is not intended for medical and pharmaceutical applications.

Product Characteristics

Application	Housewares. Opaque Containers. Furniture
Processing Method	Injection Molding. TWIM
Market	Consumer Products. Rigid Packaging
Features	Good Dimensional Stability. HighFlow. Low Temperature Impact Resistance.

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt flow rate (MFR) (230°C/2.16Kg)	50	g/10 min	ISO 1133-1
Density (Method D)	0.900	g/cm ³	ISO 1183-1
Mechanical			
Flexural Modulus	1150	MPa	ISO 178
Tensile Stress at Yield	24	MPa	ISO 527-1, -2
Tensile Elongation at Yield	6	%	ISO 527-1, -2
Impact			
IZOD Impact Strenght - Notched (23°C)	5	kJ/m ²	ISO 180/1A
Thermal			
Heat Deflection Temperature B (0.45 MPa, Unannealed)	90	°C	ISO 75B-1, -2

Notes

These are typical property values not to be construed as specification limits

Packaging

Polypropylene (PP) pellet is typically packed in polyethylene bags with net weight of 25kg each. 50 bags are stacked on a flat wooden pallet (dimensions: 1100mm x 1300mm x 150mm) with net weight of 1250kg per pallet that is stretch-hood film wrapped. Upon agreement with a customer PP pellet can be packed into big bag sized for 1000kg on wooden pallet (dimensions: 1140mm x 1140mm x 150mm) without stretch-hood film wrapping. Polypropylene product of SOCAR Polymer cannot be transported in bulk using tank car.

Storage

Polypropylene product packed in 25kg bags or 1000kg big bags stacked on wooden pallet shall be stored in enclosed dry place preventing from direct sunlight at least 1 meter far from heaters, at temperature min. -15°C / max. 35°C, relative humidity max. 80%. Prior to processing PP product bags shall be kept in production area for at least 12 hours.