

CB 6000 MO

Technical Data Sheet

Polypropylene, Impact Heterophasic Copolymer



Product Description

CB 6000 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 6000 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

Physical

Melt flow rate (MFR) (230°C/2.16Kg)

60

g/10 min

ISO 1133-1

Density (Method D)

0.900

g/cm³

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/m²

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.

POLYPROPYLENE HETEROPHASIC COPOLYMER