

CB 1640 MO

Technical Data Sheet
Polypropylene, Impact Heterophasic Copolymer



Product Description

CB 1640 MO is a nucleated heterophasic copolymer, suitable for injection moulding applications. It exhibits a high stiffness combined with a good impact balance.

CB 1640 MO is produced using a phthalate-free catalyst system preferred in applications intended for food contact.

CB 1640 MO is typically used in luggage, houseware items, containers, caps and closures.

Product Characteristics

Application	Caps & Closures. Housewares. Luggage. Opaque Containers
Processing Method	Injection Molding
Market	Consumer Products. Rigid Packaging
Features	Impact Copolymer. Medium Impact Resistance. Good Stiffness. Nucleated

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate (230°C/2.16kg)	16	g/10 min	ISO 1133
Mechanical			
Flexural modulus (2 mm/min)	1400	MPa	ISO 178
Tensile modulus (1 mm/min)	1300	MPa	ISO 527
Tensile Strength at Yield (50 mm/min)	24	MPa	ISO 527
Elongation at Yield (50 mm/min)	5	%	ISO 527
Impact			
Izod Impact Strength (Notched, 23°C)	10	kJ/m ²	ISO 179
Izod Impact Strength (Notched, -20°C)	6	kJ/m ²	ISO 180
Thermal			
Vicat Softening Temperature (10N)	150	°C	ISO 306
Heat Deflection Temperature (0.45 MPa)	95	°C	ISO 75B

Notes

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

REACH

Polypropylene are exempted from registration under REACH. However, the corresponding monomers (used as raw materials for polymer production) and relevant additives have been registered. Please see related Declaration of Compliance for Plastic Food Contact Materials (DoC for PFCM).

Packaging

Polypropylene pellets 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.

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.

PP shelf life is 36 months from the date of manufacture.

POLYPROPYLENE HETEROPHASIC COPOLYMER