

# CB 1600 MO

Technical Data Sheet  
Polypropylene, Impact Heterophasic Copolymer



## Product Description

CB 1600 MO is a heterophasic copolymer for injection moulding.

The product offers an excellent balance of stiffness, impact strength and processability.

CB 1600 MO is produced using a phthalate-free catalyst system preferred in applications intended for food contact.

Typical applications of CB 1600 MO are packaging, housewares and automotive parts.

## Product Characteristics

Application	Crates. Housewares. Industrial
Processing Method	Injection Molding. Compounding
Market	Consumer Products. Rigid Packaging. Automotive. Compounding
Features	Good Impact Resistance. Good Processability. Good Stiffness

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)	1200	MPa	ISO 178
Tensile modulus (1 mm/min)	1100	MPa	ISO 527
Tensile Strength at Yield (50 mm/min)	23	MPa	ISO 527
Elongation at Yield (50 mm/min)	6	%	ISO 527
Impact			
Izod Impact Strenght (Notched, 23°C)	10	kJ/m <sup>2</sup>	ISO 179
Izod Impact Strenght (Notched, -20°C)	5	kJ/m <sup>2</sup>	ISO 180
Thermal			
Vicat Softening Temperature (10N)	148	°C	ISO 306
Heat Deflection Temperature (0.45 MPa)	78	°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