

# CB 0140 BM

Technical Data Sheet  
Polypropylene, Impact Heterophasic Copolymer



## Product Description

CB 0140 BM is a nucleated heterophasic copolymer especially developed for extrusion applications. CB 0140 BM exhibits high stiffness, very high impact properties at room and sub-zero temperatures, good dimensional stability and excellent creep and deforming resistance.

CB 0140 BM is produced using a non-phthalate catalyst system favored by customers in applications intended for food contact.

The main applications of CB 0140 BM are thermoforming, corrugated board and extrusion blow moulding.

## Product Characteristics

Application	Corrugated Sheet and Tubes. Crates. Panels & Profiles
Processing Method	Extrusion Blow Molding. Sheet and Profile Extrusion. Thermoforming
Market	Consumer Products. Rigid Packaging
Features	High Impact Resistance. High Stiffness. Low Temperature Impact Resistance Nucleated. Phthalate-Free

Typical Properties	Nominal Value	Units	Test Method
<b>Physical</b>			
Melt Flow Rate (230°C/2.16kg)	1.3	g/10 min	ISO 1133
<b>Mechanical</b>			
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)	27	MPa	ISO 527
Elongation at Yield (50 mm/min)	7	%	ISO 527
<b>Impact</b>			
Izod Impact Strength (Notched, 23°C)	40	kJ/m <sup>2</sup>	ISO 179
Izod Impact Strength (Notched, -20°C)	6	kJ/m <sup>2</sup>	ISO 180
<b>Thermal</b>			
Vicat Softening Temperature (10N)	154	°C	ISO 306
Heat Deflection Temperature (0.45 MPa)	100	°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