

CB 0120 BM

Technical Data Sheet
Polypropylene, Impact Heterophasic Copolymer



Product Description

CB 0120 BM is a heterophasic polypropylene copolymer designed for extrusion of articles with good balance of mechanical properties and good dimensional stability.

Typical customer applications of CB 0120 BM are extrusion of corrugated board and sheets for thermoforming as well as extrusion blow molding of bottles and containers for detergents and foodstuffs as well as technical parts for the automotive and appliance industries.

CB 0120 BM is produced using a non-phthalate catalyst system favored by customers in applications intended for food contact.

Product Characteristics

| | |
|-------------------|--|
| Application | Bottles For Consumer Goods. Bottles for Industrial Use. Corrugated Sheet. Crates. Panels & Profiles. Stationery Sheet and Film |
| Processing Method | Extrusion Blow Molding. Injection Molding. Sheet Extrusion |
| Market | Consumer Products. Industrial Packaging. Rigid Packaging |
| Features | High Impact Resistance. Low Temperature Impact Resistance. Phthalate-Free |

| Typical Properties | Nominal Value | Units | Test Method |
|--|---------------|-------------------|-------------|
| Physical | | | |
| Melt Flow Rate (230°C/2.16kg) | 1.3 | 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) | 25 | MPa | ISO 527 |
| Elongation at Yield (50 mm/min) | 10 | % | ISO 527 |
| Impact | | | |
| Izod Impact Strenght (Notched, 23°C) | 55 | kJ/m ² | ISO 179 |
| Izod Impact Strenght (Notched, -20°C) | 8 | kJ/m ² | ISO 180 |
| Thermal | | | |
| Vicat Softening Temperature (10N) | 150 | °C | ISO 306 |
| Heat Deflection Temperature (0.45 MPa) | 90 | °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