

CA 0900 BM

Technical Data Sheet
Polypropylene, Impact Heterophasic Copolymer



Product Description

CA 0900 BM is a high molecular weight, heterophasic polypropylene copolymer designed for extrusion applications which require a balance of high stiffness and very good impact strength.

CA 0900 BM offers excellent processability in extrusion. The final items show very good mechanical properties at low temperatures.

Main applications of CA 0900 BM are profiles, pipes, ducts for electrical distribution and automotive parts. CA 0900 BM is also used for extrusion blow molding monolayer bottles for detergents and foodstuffs. This grade is also well suited for extrusion of sheets for thermoforming.

Product Characteristics

Application	Profiles and Pipes. Sheets. Bottles. Automotive parts
Processing Method	Extrusion. Blow Molding
Market	Consumer Products. Industrial Packaging. Rigid Packaging
Features	High Molecular Weight. Good Impact Strength. High Stiffness. Phthalate-Free

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate (230°C/2.16kg)	0.9	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 Strength (Notched, 23°C)	55	kJ/m ²	ISO 179
Izod Impact Strength (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