



HB 0322 BF

Technical Data Sheet

Polypropylene, Homopolymer

Product Description

HB 0322 BF is a polypropylene homopolymer designed for the production of biaxially oriented polypropylene films (BOPP). The product is suitable for metallizable film, both as monolayer and in coextruded structures.

It contains a standard processing stabilisation but does not contain any slip, antiblocking agents and no Calcium Stearate is intentionally added. HB 0322 BF offers good optical, easy processing and very good film profile.

HB 0322 BF is non-phthalate grade.

Typical applications is high-speed production of packaging BOPP-films

Product Characteristics

Application	Food Packaging Film
Processing Method	High speed production of BOPP-Films
Market	Flexible Packaging
Features	Good Processability. High Clarity. High Gloss. Medium Flow. Non-Phthalate

Typical Properties

Physical

Nominal Value	Units	Test Method
Melt Flow Rate (230°C/2.16kg)	3.0 g/10 min	ISO 1133

Mechanical

Flexural modulus (2 mm/min)	1450 MPa	ISO 178
Tensile modulus (1 mm/min)	1350 MPa	ISO 527
Tensile Strength at Yield (50 mm/min)	32 MPa	ISO 527
Elongation at Yield (50 mm/min)	11 %	ISO 527

Thermal

Vicat Softening Temperature (10N)	154 °C	ISO 306
Heat Deflection Temperature (0.45 MPa)	85 °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 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 HOMOPOLYMER