

HB 0400 GP

Technical Data Sheet

Polypropylene, Homopolymer



Product Description

HB 0400 GP is a general purpose polypropylene homopolymer used for different applications.

HB 0400 GP has a conventional molecular weight distribution and formulated with a general-purpose additive package.

Typical applications are sheets, monofilaments (raffia), disposable tableware.

Product Characteristics

Application	General Purpose
Processing Method	Extrusion. Thermoforming. Injection Molding
Market	Flexible Packaging. Industrial. Food Packaging
Features	General Purpose, Homopolymer

Typical Properties

	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate (MFR) (230°C/2.16Kg)	4.0	g/10 min	ISO 1133-1
Density (Method D)	0.900	g/cm ³	ISO 1183-1
Mechanical			
Tensile Modulus	1450	MPa	ISO 527-1, -2
Tensile Strength at Yield	33	MPa	ISO 527-1, -2
Tensile Strain at Break	>50	%	ISO 527-1, -2
Elongation at Yield	9	%	ISO 527-1, -2
Thermal			
Vicat Softening Temperature (A50)	154	°C	ISO 306
Heat Deflection Temperature B (0.45 MPa)	90	°C	ISO 75B-1, -2

Notes

These are typical property values not to be construed as specification limits

Packaging

Polypropylene (PP) pellet 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. Polypropylene product of SOCAR Polymer cannot be transported in bulk using tank car.

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.