

HB 3500 GP

Technical Data Sheet

Polypropylene, Homopolymer

**Product Description**

HP 3500 GP is a homopolymer polypropylene used by customers for injection moulding applications. It exhibits a high fluidity combined with a good stiffness. HB 3500 GP is suitable for food contact

Product Characteristics

Application	Furniture. Housewares
Processing Method	Compounding. Injection Molding
Market	Consumer Products
Features	High Flow. Medium Stiffness. Homopolymer

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate (MFR) (230°C/2.16Kg)	35	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	34	MPa	ISO 527-1, -2
Tensile Strain at Break	>50	%	ISO 527-1, -2
Elongation at Yield	9	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched (23°C)	3	kJ/m ²	ISO 179
Hardness			
Ball Indentation Hardness (H 358/30)	70	MPa	ISO 2039-1
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.