

**HB 2500 GP**

Technical Data Sheet

Polypropylene, Homopolymer

**Product Description**

HP 2500 GP is a homopolymer polypropylene used by customers for injection moulding applications. It exhibits a high fluidity combined with a good stiffness. HB 2500 GP is suitable for food contact

**Product Characteristics**

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

<b>Typical Properties</b>	<b>Nominal Value</b>	<b>Units</b>	<b>Test Method</b>
<b>Physical</b>			
Melt Flow Rate (MFR) (230°C/2.16Kg)	25	g/10 min	ISO 1133-1
Density (Method D)	0.900	g/cm <sup>3</sup>	ISO 1183-1
<b>Mechanical</b>			
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
<b>Impact</b>			
Charpy Impact Strength - Notched (23°C)	3	kJ/m <sup>2</sup>	ISO 179
<b>Hardness</b>			
Ball Indentation Hardness (H 358/30)	70	MPa	ISO 2039-1
<b>Thermal</b>			
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.