

## HB 0356 FR

### Technical Data Sheet

Polypropylene, Homopolymer



#### Product Description

HB 0356 FR is a polypropylene homopolymer used for extrusion and thermoforming applications. HB 0356 FR has a conventional molecular weight distribution and formulated with a low water carry-over additive package. Typical applications are monofilaments, ropes and tapes.

#### Product Characteristics

Application	Raffia. Tapes. Strapping
Processing Method	Extrusion. Tapes. Raffia
Market	Textile. Flexible Packaging
Features	Low Water Carry Over. Homopolymer

Typical Properties	Nominal Value	Units	Test Method
<b>Physical</b>			
Melt Flow Rate (MFR) (230°C/2.16Kg)	3.3	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	33	MPa	ISO 527-1, -2
Tensile Strain at Break	>50	%	ISO 527-1, -2
Elongation at Yield	10	%	ISO 527-1, -2
<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.