POLYPROPYLENE HOMOPOLYMER

HB 0356 FR

Technical Data Sheet

Polypropylene, Homopolymer

SOCAR POLYMER

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
Physical			
Melt Flow Rate (MFR) (230°C/2.16Kg)	3.3	g/10 min	ISO 1133-1
Density (Method D)	0.900	g/cm³	ISO 1183-1
Mechanical			
Tensile Modulus	1450	MPa	ISO 527-1, -2
Tensile Strenght 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
Thermal			
Vicat Softening Temperature (A50)	154	°C	ISO 306
Heat Deflection Demperature 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.