

HH 0961 MO

Technical Data Sheet

Polyethylene, High Density



Product Description

HH 0961 MO is a narrow molecular weight distribution high density polyethylene intended for general purpose injection molding applications requiring good rigidity and a glossy surface finish.

Product Characteristics

Application	Crates, recycle bins, hardhats, general purpose injection moulding. Caps
Processing Method	Injection Molding
Market	Rigid Packaging. Industrial Packaging. Caps & Closures
Features	Narrow MWD. High Rigidity. Good Impact Strength

Typical Properties

	Nominal Value	Units	Test Method
Physical			
Melt flow rate (MFR) (190°C/2.16kg)	9.0	g/10 min	ISO 1133
Density	0.961	g/cm ³	ISO 1183
Mechanical			
Flexural Modulus	1300	MPa	ISO 178
Tensile Strenght at Yield	30	MPa	ISO 527-1-2
Elongation at Break	600	%	ISO 527-1-2
Thermal			
Vicat Softening Point	129	°C	ISO 306
Heat Deflection Temperature (0.45 MPa, Unannealed)	75	°C	ISO 75 B-1,-2
Chemical			
ESCR (BTT, F50 at 50°C, 100 %)	35	hour	ASTM D1693
Impact			
Izod Impact Strength, Notched 23°C	3.5	kJ/m ²	ISO 180

Notes

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

REACH

Polyethylene are exempted from registration under REACH. However, the corresponding monomers (used as raw materials for polymer production) and relevant additives have been registered. Please see related Declaration of Compliance for Plastic Food Contact Materials (DoC for PFCM).

Packaging

Polyethylene pellets 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 PE pellet can be packed into big bag sized for 1000kg on wooden pallet (dimensions: 1140mm x 1140mm x 150mm) without stretch-hood film wrapping.

Storage

Polyethylene 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 PE product bags shall be kept in production area for at least 12 hours.

PE shelf life is 36 months from the date of manufacture.

HIGH DENSITY POLYETHYLENE