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## HDPE made via Hostalen Process



### Product data sheet HF-4760(BL3)

HF-4760(BL3) is a blow molding grade resin with high density polyethylene with 1-Butene as co monomer which is manufactured by the suspension polymerization of ethylene monomer. Stiffness, good ESCR are its special properties. High rigidity and good flowability which made it proper for usage in bottles and small blow molding goods.

**HDPE: HF-4760(BL3)**

**Density: 0.954**

**MFI: 23**

#### Features



- High density and Stiffness, good flowability and impact strength and good stress cracking resistance.

#### Applications



- Small blow moulding Bottles  
Containers (up to 5 lit )  
Packing of pharmaceuticals & surfactants

#### Additives



- Antioxidant / Process stabilizer
- Lubricant / acid scavenger

**Material properties** (This data are typical values and are not to be construed as product specifications.)

Resin Properties	Unit	Value	Test Method
Melt Index(21.6)	g/10 min	23±4	ISO 1133
Melt Index(5)	g/10 min	1.2±0.3	ISO 1133
FRR (21.6/5)		19±3	
Density	g/cm <sup>3</sup>	0.954±0.002	ISO 1183
Molded Properties	Unit	Value	Test Method
Notched Impact @ 23 °C	mJ/mm <sup>2</sup>	9	ISO 179/ 1 eA



### Handelling and Health Safty

Molten polymers could be injured skin or eye so safty glasses and appropriate gloves are suggested to prevent possible thermal injuries. Also appropriate ventilation is suggested in working by melt polymer.

Accumulation of fines or dust particles that are in this grade is not suitable because of explosion hazard probability. So adequated filters and grounding exists at all time are recommended.

### Storage

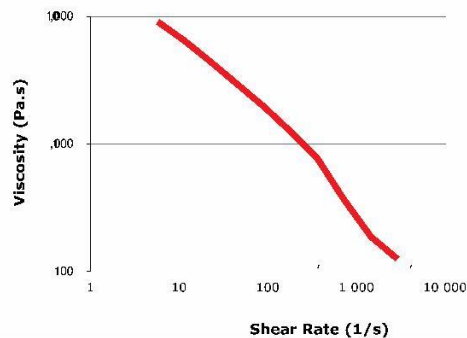
Polyethylen products (in pelletised or powder form) should not be stored in direct sunshine and/or heat radiation. Ultraviolet cause a change in the material properties. The Storage area should be dry and preferably don't exceed 50 °C. Under cool, dry, dark conditions Jam Polymers polyolefin resins are expected to maintain the original material and processing properties for at least 18 month. JPC would not responsible about quality diminishing such as color change, bad smell or ets which caused by bad storage conditions. It is better to process PE resin within 6 months after delivery.

### pakaging

Jam Polymers Polyolefin resins are supplied in pllet form packed in 25kg bags. Alternative packaging modes are available for selected grades.

- On compression molded according to ASTM D1928C  
Processing Conditions  
Recommended barrel tempratures range between 190 °C and 280 °C.

Shear-Viscosity @ 190 °C



The above values were Calculated from data for 100 µm produced on a 75mm Barrnage extruder with 190°C melt temperature using a 2:1 blow ratio and a gap die of 3.0 mm.