JAM Petrochemical Company

JPC

HDPE made via Hostalen Process

Product data sheet

HF-4760(BL_3)

HF-4760(BL_3) is a blow molding grade resin with high density polyethylenee with 1-Butene as co monomer which is manufactured by the suspension polymerization of ethylene monomer. Stiffness, good ESCR are it's spetial properties. High rigidity and good flowablity which made it proper for usage in bottles and small blow molding goods.

HDPE: HF-4760(BL_3) | **Density: 0.954** | **MFI: 23±4**

Features

- *High density and Stiffness, good flowabilitty 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	Typical Value	Test Method
Melt Index(21.6)	g/10 min	23	ISO 1133
Melt Index(5)	g/10 min	1.2	ISO 1133
FRR (21.6/5)		19	
Density	g/cm^3	0.954	ISO 1183
Molded Properties	**Unit**	**Typical Value**	**Test Method**
Notched Impact @ 23 °C	mJ/mm^2	9	ISO 179/ 1 eA

Handellling and Health Safety

sMolten polymers could be injured skin or eye so safety 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

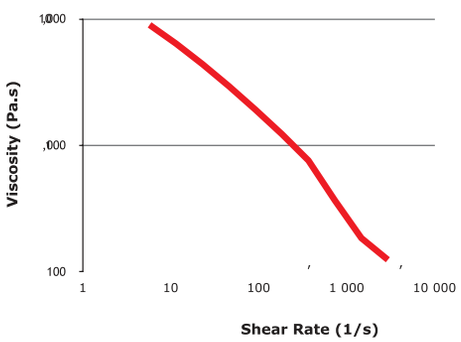
Polyethylene products (in pelletised or powder form) should not be stored in direct sunshine and/or heat radiation. Ultraviolet cause a change in the material properties.The Storage area should be dry and preferably don't exceed 50 °C. Under cool, dry, dark conditions Jam Polymers polyolefin resins are expected to maintain the original material and processing properties for at least 18 month. . JPC would not ressponsible 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.

packaging

Jam Polymers Polyolefin resins are supplied in pllet form packed in 25kg bags. Alternative packaging modes are avalable 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.