

Product Data Sheet

HF4760 (BL3)

High Density Polyethylene

Product Description

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 it's spetial properties. High rigidity and good flowablity which made it proper for usage in bottles and small blow molding goods.

Applications:

For container with capacities ranging from a few ml up to 10 liters, also for production of sheets for thermoforming.

Characteristic Properties

High density and Stiffness, good flowability and impact Strength and good Stress Cracking resistance.

Additives

- Antioxidant/Process stabilizer
- Lubricant/ acid scavenger

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
Moulded Properties	Unit	Typical Value	Test Method
Notched Impact @ 23 °C	mJ/mm ²	9	ISO 179/ 1 eA

Density: 0.952-0.956 g/cm3 **MFR** 190/5: 0.9-1.5

Handling and Health Safety

Molten 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 adequate 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. Bakhtar 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.

packaging

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