

Product Data Sheet

HM9450F (EX5)

High Density Polyethylene

Product Description

HM-9450F (EX5) is blown film grade resin which is manufactured by suspension polymerization of ethylene monomer. HM-9450F (EX5) is a bi-model high density polyethylene with 1-Butene as co monomer.

Applications:

For blown films with paperlike quality, suitable for counter bags, carrier bags and wrapping films, excellent processing.

Characteristic Properties

High molar mass film grade, good stiffness and tenacity

Test/Composition	Typical Value	Unit	Method
Density	0.949	g/cm ³	ISO1183
Fish Eye Note	≤3	note	Internal
FRR 21.6/5	29		
MFR 190°/21.6	8.0	g/10min	ISO1133
MFR190°/5	0.28	g/10min	ISO1133

- Test specimen from compression moulded sheet at 23°C.
- FRR values are statistical and calculated by dividing MFR values.
- Notch Impact Test specimen from compressed moulded sheet 23°C and The data quoted are average values

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 Bakhtar 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 etc 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.