

Product Data Sheet

HD60507/HD60507UV

High Density Polyethylene

Product Description

60507 is a HDPE homopolymer which is manufactured in gas phase process for injection molding grade which combines good flowability with balanced physical properties. This resin is well suited for general purpose application requiring high stiffness.

Applications:

- Crates
- Injection molding grade

Characteristic Properties

- Good flowability with balanced
- physical properties

Additives:

- HD-60507:
- Thermal Antioxidant (Process Stabilizer)
- Catalyst neutralizer (acid scavenger, lubricant)
- HD-60507UV:
- Thermal Antioxidant (Process Stabilizer)
- Catalyst neutralizer (acid scavenger, lubricant)
- UV Stabilizer

Resin Properties	Unit	Typical Value	Test Method
Melt Index (190°C/ 2.16Kg)	(g/10 min)	7.5	D1238
Density	g/ml	0.958	D1505
Resin Properties @	Unit	Typical Value	Test Method
Vicat Softening Point	(°C)	126.5	D1525
Moulded Properties @	Unit	Typical Value	Test Method
Flexural Modulus	(MPa)	1450	D790
Notched Izod Impact @ 23 °C	(J/m)	24	D256/A

Density: 0.956-0.960 MFI: 6.5-8.5

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. We 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

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