

Product data sheet



HDPE made via Spherilene Gas-Phase Technology



HD-60507 HD-60507UV

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.

HDPE: HD-60507/HD-60507UV

Density: 0.956-0.960

MFI: 6.5-8.5

Characteristic Properties



- Good flowability with balanced physical properties.

Main Applications



- Crates
- Injection molding grade

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

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 (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

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.

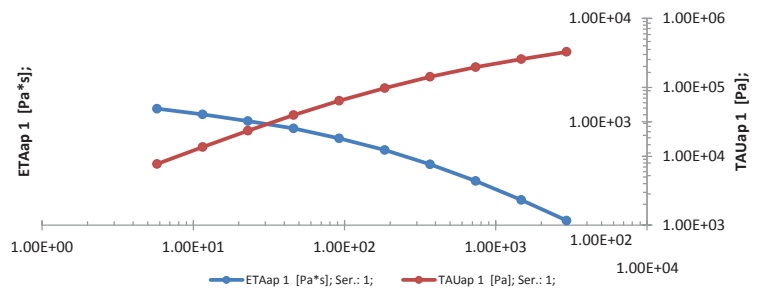
Accumulation of fines or dust particles that are in this grade is not suitable because of explosion hazard probability. So adequate filters and grounding exists at all time are recommended.

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. 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.

packaging

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



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