NAME: HD-60507UV

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

Features
• Good flow ability with balanced physical properties.
• Crates

Applications
Injection molding grade
HD-60507

Additives
Thermal Antioxidant
HD-60507UV:
Thermal Antioxidant UV Stabilizer
Material properties (This data are typical values and are not to be construed as product specifications.)

Typical Data (Table):

Resin Properties	**Unit**	**Value**	**Method**
Melt Index	g/10 min	7.5	D1238
Density	g/cm3	0.958	D1505
Thermal Properties	**Unit**	**Value**	**Test Method**
Vicat Softening Point	°C	127	D1525
Molded Properties	**Unit**	**Value**	**Test Method**
Tensile Strength at Yield	Mpa	30	D638
Tensile Strength at Break	Mpa	13	D638
Ultimate Elongation	%	350	D638
Flexural Modulus	Mpa	1500	D790
Notched Izod Impact @ 23 °C	J/m	36	D256/A

Chandelling 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 pelletized 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 months. JPC would not responsible about quality diminishing such as color change, bad smell or its which caused by bad storage conditions. It is better to process PE resin within 6 months after delivery.

Packaging
Suppliers are supplied in pallet form packed in 25kg bags. Alternative packaging modes are available for selected grades.
- On compression molded according to ASTM D 1928 C 25-micron film obtained on Collin 25 Processing Conditions Melt Temperature (°C): 280 -190 Blow up Ratio: 3.0 -2.0 Die Gap (mm): 2.5-2.0 Thickness (micron): 150-15
Shear-Viscosity @ T190 °C

The above values were Calculated from data for 100 pm produced

on a 75mm Barrage extruder with 190 C melt temperature using a 2:1 blow ratio and a gap die of 3.0 mm.