

60505 is a HDPE injection molding grade which combines high stiffness with good physical properties. This resin is well suited for crates and toys applications.

Resin Properties	Unit	Typical value	Test Method
Melt Index	g/10'	5.5	D 1238
Density	g/10 min	0.9570	D 1505
Physical properties			
Tensile strength at yield	(MPa)	30	D 638
Tensile strength at break	(MPa)	16	D 638
Ultimate elongation	(%)	200	D 638
Flexural modulus	(MPa)	1480	D790
Notched Izod impact at 23 °C	(J/m)	46	D 256/A
Vicat softening point	(°C)	127	D1525
H.D.T	(°C)	78	D648
On compression molded specimen obtained according to ATSM D 1928 C			
Fabrication conditions for injection molding			
Recommended barrel temperatures rang between 190 and 280 °C.			

Features

- High stiffness with good physical properties.

Applications

- injection molding grade
- Crates
- toys applications

Additives

- 60505: Thermal Antioxidant
- 60505UV: Thermal AntioxidantUV Stabilizer

HDPE



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 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 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.

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HDPE



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HD 60505/UV



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