



PERSIAN GULF POLYMER

HIGH DENSITY POLYETHYLENE HDPE-HD60505/UV

Better Decision for better Production.

LDPE | LLDPE | MDPE | **HDPE** | PP | PVC | GPPS | HIPS | EPS | PET | ABS | SBR | PBR | PC

A. Product Description: 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

B. Application: Injection Molding Grade, Crates, Toys applications

C. Features: High stiffness with good physical properties.

D. Additives: HD-60505: Thermal Antioxidant • HD-60505UV: Thermal Antioxidant UV Stabilizer

E. Material properties (This data are typical values and are not to be construed as product specifications.)

Property	Unit	Value	Test Method
Density	(g/ml)	0.9570	ASTM D 1505
MFR(190°C/2.16kg)	(g/10min)	5.5	ASTM D 1238
Vicat Softening Point	° C	127	ASTM D 1525
Flectural Modulus	MPa	1480	ASTM D 790
Tensile Strenght at Yield	MPa	30	ASTM D 638
Tensile Strenght at Break	MPa	16	ASTM D 638
H.D.T	° C	78	ASTM D 648
Notched Izod Impact @ 23 °C	J/m	46	ASTM D 256/A

@ On compression moulded specimen obtained according to ASTM D 1928°C

Fabrication conditions for injection moulding

Recommended barrel temperatures range between 190 °C and 280 °C.

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

