



HDPE made via Spherilene Process



Product data sheet 60505/UV

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.

HDPE: 60505/UV

Density: 0.957

MFI: 5.5

Features



- High stiffness with good physical properties.

Applications



- injection molding grade
- Crates
- toys applications

Additives



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

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

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Resin properties	Unit	Typical values	ASTM Method
Melt Index	(g/10')	5.5	D 1238
Density	(g/ml)	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	D 790
Notched Izod impact at 23 °C	(J/m)	46	D 256/A
Vicat softening point	(°C)	127	D 1525
H.D.T.	(°C)	78	D 648
@ On compression molded specimen obtained according to ASTM D 1928 C			
Fabrication conditions for injection molding			
Recommended barrel temperatures range between 190 and 280 °C .			