



Product: High Density Polyethylene (HDPE)

Grade: Injection

Trade Name: HD-60505

## Typical Applications

HD-60505 is a HDPE injection molding grade which combines high stiffness with good physical properties. HD-60505 is recommended for Crates, housewares, food containers, toys, caps and closures etc.





Asia Petrochemicals LLC

## TDS FOR HD-60505

### PRODUCT DESCRIPTION

60505 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.

**Packing:** 25 Kg plastic bag

RESIN PROPERTY	TEST METHOD	UNIT	TYPICAL VALUE*
Melt Index	D1238	g/10 min	5.5
Density	D1505	g/ml	0.9570
<b>PHYSICAL PROPERTIES @</b>			
Tensile strenght at yield	D638	(MPa)	30
Tensile strenght at break	D638	(MPa)	16
Ultimate elongation	D638	(%)	200
Flexural modulus	D790	(MPa)	1480
Notched Izod impact at 23°C	D256/A	(J/m)	46
Vicat Softening point	D1525	(°C)	127
H.D.T.	D648	(°C)	78
@ 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.			

For further information please visit <http://www.asia-petrochem.com> or send an enquiry to [info@asia-petrochem.com](mailto:info@asia-petrochem.com)

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