

LDPE	LLDPE	MDPE	HDPE	PP	PVC	GPPS	HIPS	EPS	PET	ABS	SBR	PBR	PC	E.P.
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HI0500

1) Product Description:

HI0500 is a natural high density polyethylene (HDPE) injection molding grade which combines high stiffness with good physical properties.

2) Applications:

- Crates
- Industrial parts
- Thick wall parts

3) Typical data

PROPERTY	TEST METHOD	UNIT	TYPICAL VALUE*
Mass density (23 ⁰ C)	ASTM D 1505	g/cm ³	0.963-0.967
Melt Flow Rate (190 ⁰ C/2.16 kg)	ASTM D1238	g/10min	4-6
Ash content	ASTM D 1063	wt%	0.06 max
Volatile matter	ASTM D 1960	wt%	0.05 max.
Tensile strength @ break	ASTM D 638	gr/cm ²	170 min
Elongation @ break	ASTM D 638	%	300 min
Melting point	ASTM D 2117	°C	130
Vicat softening point	ASTM D 1525	°C	124
ESCR	ASTM D 1693	hr	4

This data are typical values and are not to be construed as product specifications.

4) Process conditions:

HI0500 can be processed in most types of injection moulding equipment.

Producer: Bandar Imam Petrochemical Co.

Packing: 25 Kg plastic bag