

INJECTION MOULDING

HD 6070 UA

HD 6070 UA is a high-density polyethylene grade with a narrow molecular weight distribution, suitable for a wide range of injection moulding applications.

HD 6070 UA has the following characteristics:

1. *Easy processing*
2. *High rigidity*
3. *Good impact strength*
4. *High warpage resistance*

Applications:

1. *Crates*
2. *Boxes*
3. *Seats*
4. *Pallets*

TYPICAL PROPERTIES

Property	Unit	Method of test	Value	
			Compression	Injection*
Melt flow rate(2.16Kg)	g/10 min	ISO 1133	7.5	
Density	Kg/m ³	ISO 1183-2	960	
Tensile strength at yield(MD/TD)	MPa	ISO 527 1&2	31/ -	26/27
Elongation at break(MD/TD)	%	ISO 527 1&2	>1000/ -	1100/1300
Flexural modulus	MPa	ISO 178	1400	1100
ESCR, F 50, 23 °C	Hours	ASTM D1693A norm	55	25
Charpy impact resistance	KJ/m ²	ISO 179/A&B	6	8

*Injection plaques - 250 °C – Injection pressure 1000b – Dwell pressure 800b – Dwell time 15s

AA: Stabilisation – **KJ:** High Slip Antiblock – **AF:** Processing Aid – **LJ:** Medium Slip, High Antiblock – **FB:** Low Gel Film – **EA:** Standard unmodified except for antioxidant – **GA:** Gas Phase Process – **UA:** UV Stabilisation