

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:

- *Easy processing*
- *High rigidity*
- *Good impact strength*
- *High warpage resistance*

Applications:

- *Crates*
- *Boxes*
- *Seats*
- *Pallets*

TYPICAL PROPERTIES

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