

MDPE-ROTATIONAL-MOULDING

HD 3840 UA

UV stabilized medium density polyethylene copolymer grade with a narrow molecular weight distribution.

HD 3840 UA has the following characteristics:

- *Excellent process-ability*
- *Impact strength*
- *High stiffness*
- *Excellent internal and external surface finish*

Applications:

- *Rotational moulded items: tanks, containers*
- *Injection moulded technical parts and closure*

TYPICAL PROPERTIES

<i>Property</i>	<i>Method of test</i>	<i>Unit</i>	<i>Value</i>
<i>Melt flow rate(2.16Kg)</i>	ISO 1133	g/10 min	4
<i>Density</i>	ISO 1183-2	Kg/m3	938
<i>Tensile strength at yield</i>	ISO 527 1&2	MPa	18
<i>Elongation at break</i>	ISO 527 1&2	%	1400
<i>Flexural modulus</i>	ISO 178	MPa	750
<i>Charpy impact resistance</i>	ISO 179/A&B	KJ/m2	20
<i>ESCR, F50, 23 °C</i>	ASTM D1693A norm	hours	200

ESCR: Environmental Stress Cracking Resistance

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