

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

Property	Method of test	Unit	Value
Melt flow rate(2.16Kg)	ISO 1133	g/10 min	4
Density	ISO 1183-2	Kg/m ³	938
Tensile strength at yield	ISO 527 1&2	MPa	18
Elongation at break	ISO 527 1&2	%	1400
Flexural modulus	ISO 178	MPa	750
Charpy impact resistance	ISO 179/A&B	KJ/m ²	20
ESCR, F50, 23 °C	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