



SHOBEIR SHIMI

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HD3840UA (ROTATIONAL MOULDING) HIGH DENSITY POLYETHYLENE

Features

HD3840UA is a UV-stabilized medium density polyethylene copolymer. It has narrow molecular weight distribution, excellent processability, stiffness, fast grinding rate, good impact strength, and ESCR

Applications

Scpetic tanks
Potable water tanks
Large agricultural tanks
Toys

Typical Properties

Physical Properties	Test Method	Unit	Typical Value
MFI(190°C/ 2.16Kg)	ASTM D 1238	gr/10Min	4.0
MFI(190°C / 5.0Kg)	ASTM D 1505	gr/cm ³	0.938
Thermal Properties	Test Method	Unit	Typical Value
Vicat Softening Temperature	ASTM D 1525	°C	117
Melting Point	ASTM D2117	°C	127
Mechanical Properties	Test Method	Unit	Typical Value
Flexural Modulus	ASTM D 790	MPa	900
Tensile Strength at yield	ASTM D 638	MPa	18
Elongation at Break	ASTM D 638	%	900
Charpy Impact Strength	ASTM D 256	Kj/m ²	18
Hardness Shore D	ASTM D 2240	-	62
ESCR, F50, 100% Igepal,	ASTM D1894	hr	400