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BAKHTAR PETROCHEMICAL COMPANY

HIGH-DENSITY POLYETHYLENE HDPE HD3840UA

HD3840UA is a linear, UV-stabilized virgin high-density polyethylene (HDPE) copolymer with a narrow molecular weight distribution, designed for rotational molding applications. It offers high stiffness, good impact strength, excellent stress cracking resistance, and superior processability, making it suitable for producing items like septic tanks, containers, and technical parts.

Producer	Characteristic Properties	Applications	Additive
BAKHTAR	Comonomer:Buten1	Septing Tank Ordinary container Injection molded technical parts	Antioxidants UV Stabilizer

Typical Properties

Resin Properties	Unit	Typical	Test Method
Melt Flow Rate (MFR)	g/10 min	3.6-4.4	ASTM D1238
Density	g/cm ³	0.935-0.939	ASTM D-1505
vicat	°C	115	ASTM D 1525
Tensile Stress @ Yield	Mpa	18	ASTM D 638
Tensile Stress @ Break	Mpa	9.5	ASTM D 638
Tensile Strain @ Yield	%	10	ASTM D 638
Tensile Strain @ Break	%	900	ASTM D 638
Flexural Modulus	Mpa	700	ASTM D 790
Izod Impact (notched)	J/M	118	ASTM D 256
ESCR (IGEPAL 10%)	HR	350	ASTM D 1693
Contamination	%	<30	BASELL MTM-17064

Guaranteed items: MFR & Density.

The information contained herein may include typical properties of our products or their typical performances when used in certain typical applications. Actual properties of our products, in particular when used in conjunction with any third party material(s) or for any non-typical applications, may differ from typical properties.