



HDPE 3840 Compound: Rotational Grade for Water Tanks, Boats and Toys

**HDPE 3840
Compound**

**High Resistance to Corrosion and Chemicals
Durability and Long Lifespan**

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HDPE - 3840UA COMPOUND

Product Description

Compound HD-3840UA is a high-density polyethylene (HDPE) compound designed for rotational molding, with improved processability, impact resistance, and UV resistance. This compound can be engineered based on customer requirements to meet specific production needs. It is used for manufacturing tanks with one to three layers, up to a volume of 30,000 liters, and water storage tubs up to 2,000 liters. The compound is supplied in powder form, with a mesh size below 800 microns.

Main Characteristic

- Good impact strength
- Excellent external and internal surface finish
- Whiteness
- Good stress cracking resistance
- UV stabilized

Main Application

- Rotational molded items with good stiffness
- Septic tanks
- Ordinary containers



We Ensure continuous and thorough supervision during the compounding process to deliver a high-quality product that meets modern standards. Our goal is to fully support our buyers by providing a reliable compound and to stand by them throughout their production process.

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Datasheet and Analysis of HD-3840UA Compound:

Main Properties

Property	unit	value	Test Method
Melting Point	C	141	ASTM D 2117
MFI (190 C, 2.16 Kg)	gr/10 Min	4	ASTM D 1238-7
Density	gr/cm3	0.938	ASTM D 1505-68
ASH	%	<0.1	
Vicat Softening point	C	Min.115	ASTM D 1525
Hardness	Shore D	65	ASTM D 2240
ESCR (F50, 23 C)	hr	400	ASTM D 1693
Calcium Carbonate	%	0	
Bulk density	gr/cm3	0.320-0.400	
Dry flow	Sec	15-32	ASTM D-1895
PSD	µm	<800	ASTM D-1921



The engineered 3840 compound developed by our team offers the following features:

- Reduced production time
- Easy moldability
- Smooth powder distribution within the mold
- No sticking to the mold
- Desirable color appearance

PSD (Particle Size Distribution)

