

Arak LLDPE HD3840UA

Linear Medium Density Polyethylene

Shazand (Arak) Petrochemical Corporation

Message:

HD3840UA is a linear, UV stabilized virgin medium density polyethylene copolymer grade (MDPE), with a narrow molecular weight distribution.

Characteristics:

High stiffness.

Good impact stress.

Whiteness.

UV stabilized.

Good Stress Cracking Resistance.

Excellent process-ability.

Excellent internal and external surface finish.

Typical applications are:

Rotational moulded items with good stiffness, such as: Septic tanks and Ordinary containers.

Injection moulded technical parts and closure.

* HD3840UA is suitable for food contact.

General Information			
Additive	UV Stabilizer		
Features	Copolymer		
	Food Contact Acceptable		
	Good Surface Finish		
	Good UV Resistance		
	High ESCR (Stress Crack Resist.)		
	High Stiffness		
	Narrow Molecular Weight Distribution		
Uses	Closures		
	Containers		
	Engineering Parts		
	Septic Tanks		
Processing Method	Rotational Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.935 to 0.939	g/cm³	ASTM D2838
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	3.8 to 4.5	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	18.0	MPa	ASTM D638
Tensile Elongation (Break)	1000	%	ASTM D638
Flexural Modulus	700	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	20	kJ/m²	ASTM D256

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