

Arak LLDPE HD6070EA

High Density Polyethylene
Shazand (Arak) Petrochemical Corporation

Message:

HD6070EA is a high density polyethylene grade with a narrow molecular weight distribution, suitable for a wide range of injection moulding applications.

Characteristics:

- Easy processing.
- High rigidity.
- Good impact strength
- High warpage resistance.

Typical applications are:

- Caps & closures.
- Crates.
- Boxes.
- Seats.
- Pallets.
- Structural foam.
- Silicon cartridges.

* HD6070EA is not suitable for organoleptic applications.

General Information			
Features	Copolymer		
	Good Impact Resistance		
	Good Processability		
	High Rigidity		
	Narrow Molecular Weight Distribution		
	Warp Resistant		
Uses	Caps		
	Closures		
	Containers		
	Crates		
	Seats		
	Structural Foam		
Processing Method		Injection Molding	
Physical	Nominal Value	Unit	Test Method
Density	0.960	g/cm ³	ASTM D2838
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	7.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	68		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	32.0	MPa	ASTM D638
Tensile Elongation (Break)	1000	%	ASTM D638

Flexural Modulus	1250	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	6.0	kJ/m ²	ASTM D256

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