

Arak LLDPE HD5620EA

High Density Polyethylene
Shazand (Arak) Petrochemical Corporation

Message:

HD5620EA is a high density polyethylene copolymer grade with a narrow molecular weight distribution, suitable for thin wall injection moulding applications.

Characteristics:

High flow.

High warpage resistance.

Suitable for fast cycling applications.

Typical applications are:

-House wares.

Caps & closures.

Thin walled containers.

PET bottle bases.

* HD5620EA is suitable for food contact.

General Information			
Features	Copolymer		
	Bending resistance		
	Fast molding cycle		
	High liquidity		
	Compliance of Food Exposure		
	Narrow molecular weight distribution		
Uses	Thin wall container		
	Shield		
	Household goods		
	Bottle		
	Shell		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	0.956	g/cm ³	ASTM D2838
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	20	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	66		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	900	MPa	ASTM D638
Tensile Strength (Yield)	22.0	MPa	ASTM D638
Tensile Elongation (Break)	700	%	ASTM D638
Flexural Modulus	1000	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method

Charpy Notched Impact Strength	4.0	kJ/m ²	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	124	°C	ASTM D1525

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