

Arak LLDPE HD5813EA

High Density Polyethylene
Shazand (Arak) Petrochemical Corporation

Message:

HD5813EA is an easy flow high density polyethylene copolymer grade with a narrow molecular weight distribution, for injection moulding applications.

Characteristics:

High flow.

High rigidity.

High warpage resistance.

Typical applications are:

House wares.

Aerosol caps, closures.

* HD5813EA is suitable for food contact.

General Information			
Features	Copolymer		
	Food Contact Acceptable		
	High Flow		
	High Rigidity		
	Narrow Molecular Weight Distribution		
	Warp Resistant		
Uses	Caps		
	Closures		
	Household Goods		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.958	g/cm ³	ASTM D2838
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	13	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	67		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1100	MPa	ASTM D638
Tensile Strength (Yield)	28.0	MPa	ASTM D638
Tensile Elongation (Break)	800	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	4.0	kJ/m ²	ASTM D256

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