

# Arak LLDPE HD5211EA

High Density Polyethylene  
Shazand (Arak) Petrochemical Corporation

Message:

HD5211EA is a high density polyethylene copolymer grade with a narrow molecular weight distribution, suitable for a wide range of injection moulding applications.

Characteristics:

- Good flow.
- Good impact strength.

Typical applications are:

- House wares.
- Caps & closures.
- Toys.
- Pails.
- Cartridges.

\* HD5211EA is not suitable for organoleptic applications.

General Information			
Features	Copolymer		
	Good Flow		
	Good Impact Resistance		
	Narrow Molecular Weight Distribution		
Uses	Caps		
	Closures		
	Household Goods		
	Pails		
	Printer Parts		
	Toys		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.962	g/cm <sup>3</sup>	ASTM D2838
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	11	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 Strength (Yield)	27.0	MPa	ASTM D638
Tensile Elongation (Break)	1000	%	ASTM D638
Flexural Modulus	1000	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	6.0	kJ/m <sup>2</sup>	ASTM D256

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