



Arak Petrochemical Company



ISO 9001:2000

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High Density Polyethylene HD5620EA (Injection Moulding)

Typical properties	Test method (ASTM)	Unit	Value
MFI@190°C, 2.16 kg	D1238	gr/10min	20
Density	D1505	gr/cm ³	0.956
Vicat softening point	D1525	°C	124
Tensile Strength @ Yield	D638	Mpa	22
Tensile Modulus	D638	Mpa	900
Elongation @ Break	D638	%	700
Flexural Modulus	D790	Mpa	1000
Hardness Shore D	D2240	-	66
Charpy Impact Resistance (Notch)	D256	Kj/m ²	4

➤ Values shown are averages & are not to be considered as product specifications.

❖ Main application & Characteristics:

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.