Arak Petrochemical Company

Polyethylene
HD-5620EA (Injection Moulding)

Typical Properties	Test Method (ASTM)	Unit	Value
MFI @ 190˚C , 2.16 Kg	D-1238	gr/10min	20
Density	D-1505	gr/cm^3	0.956
Vicat softening point	D-1525	°C	124
Tensile Strength @ Yield	D-638	Mpa	22
Tensile Modulus	D-638	Mpa	900
Elongation @ Break	D-638	%	700
Flexural Modulus	D-790	Mpa	1000
Hardness Shore D	D-2240	-	66
Charpy Impact Resistance (Notch)	D-256	Kj/m^2	4

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

Main Applications:

HD-5620EA is a high density polyethylene copolymer grade with a narrow molecular weight distribution, suitable for thin wall injection moulding applications.

Typical characteristics are:

- High flow
- High warpage resistance
- Suitable for fast cycling applications

HD-5620EA is also used for the production of the following items:

- House wares
- Caps, closures
- Thin walled containers
- PET bottle bases.

* HD-5620EA is suitable for food contact.

ISO 9001: 2000
Certificate No. : 88023-2

ISO 14001: 1996
Certificate No. : CH02/203112

OHSAS 18001
Certificate No. : IBE 01005

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