



Arak Petrochemical Company



ISO 9001:2000
Certificate No.: CH98/8032

ISO 14001:2004
Certificate No.: CH03/0112

OHSAS 18001:1999
Certificate No.: CH05/0675

Address:

No. 3, Taban St.
Vali-e-Asr Ave.
Tehran - IRAN

Tel:

(+98 21)82122700

Fax:

(+98 21)8867 4126-27

Web-site:

www.arpc.ir

E-mail:

Sales@arpc-ir.net

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.