



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. ,  
Valie – e – Asr St.,  
Tehran - Iran

**Tel:**

(+98 21)82122700

**Fax:**

(+98 21)8867 4126-27

**Web-site:**

www.arpc-ir.net

**E-mail:**

Sales@arpc-ir.net

## High Density Polyethylene

### HD5620EA

Typical properties	Test method (ASTM)	Unit	Value
MFI@190°C, 2.16 kg	D1238	gr/10min	20
Density	D1505	gr/cm <sup>3</sup>	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	D2240	Shore D	66
Charpy Impact Resistance (Notched)	D256	Kj/m <sup>2</sup>	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:

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

\* HD5620EA is suitable for food contact.