



Arak Petrochemical Company



ISO 9001:2000

Certificate No.: CH98/8032

ISO 14001:2004

Certificate No.: CH03/0112

OHSAS 18001:1999

Certificate No.: CH05/0675

High Density Polyethylene **HD6070EA** (Injection Moulding)

Typical properties	Test method (ASTM)	Unit	Value
MFI@190°C, 2.16 kg	D1238	gr/10min	7
Density	D1505	gr/cm ³	0.960
Tensile Strength@Yield	D638	Mpa	32
Tensile Modulus	D638	Mpa	-
Elongation@Break	D638	%	1000
Flexural Modulus	D790	Mpa	1250
Hardness Shore D	D2240	-	68
Charpy Impact Resistance (Notch)	D256	Kj/m ²	6

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

❖ Main application & Characteristics:

HD6070EA is a high density polyethylene grade with a narrow molecular weight distribution, suitable for a wide range of injection moulding applications.

♦ Characteristics:

- Easy processing.
- High rigidity.
- Good impact strength
- High warpage resistance.

♦ Typical applications are:

- Caps & closures.
- Crates.
- Boxes.
- Seats.
- Pallets.
- Structural foam.
- Silicon cartridges.

* **HD6070EA** is not suitable for organoleptic applications.