



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 HD5813EA (Injection Moulding)

Typical properties	Test method (ASTM)	Unit	Value
MFI@190°C, 2.16 kg	D1238	gr/10min	13
Density	D1505	gr/cm ³	0.958
Tensile Strength@Yield	D638	Mpa	28
Tensile Modulus	D638	Mpa	1100
Elongation@Break	D638	%	800
Flexural Modulus	D790	Mpa	-
Hardness Shore D	D2240	-	67
Charpy Impact Resistance (Notch)	D256	Kj/m ²	4

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

❖ Main application & Characteristics:

HD5813EA is an easy flow high density polyethylene copolymer grade with a narrow molecular weight distribution, for injection moulding applications.

◆ Characteristics:

- High flow.
- High rigidity.
- High warpage resistance.

◆ Typical applications are:

- House wares.
- Aerosol caps, closures.

* HD5813EA is suitable for food contact.