



Arak Petrochemical Company



ISO 9001:2000

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## 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 <sup>3</sup>	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 <sup>2</sup>	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.