



Arak Petrochemical Company



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## High Density Polyethylene HD5218EA (Injection Moulding)

Typical properties	Test method (ASTM)	Unit	Value
MFI@190°C, 2.16 kg	D1238	gr/10min	18
Density	D1505	gr/cm <sup>3</sup>	0.952
Tensile Strength@Yield	D638	Mpa	26
Tensile Modulus	D638	Mpa	-
Elongation@Break	D638	%	1000
Flexural Modulus	D790	Mpa	1000
Hardness Shore D	D2240	-	66
Charpy Impact Resistance (Notch)	D256	Kj/m <sup>2</sup>	5

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

### ❖ Main application & Characteristics:

HD5218EA 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.

\* HD5218EA is suitable for food contact.