



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 HD5211EA (Injection Moulding)

Typical properties	Test method (ASTM)	Unit	Value
MFI@190°C, 2.16 kg	D1238	gr/10min	11
Density	D1505	gr/cm ³	0.962
Tensile Strength @ Yield	D638	Mpa	27
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 ²	6

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

❖ Main application & Characteristics:

HD5211EA is a high density polyethylene copolymer grade with a narrow molecular weight distribution, suitable for a wide range of injection moulding applications.

◆ Characteristics:

- Good flow.
- Good impact strength.

◆ Typical applications are:

- House wares.
- Caps & closures.
- Toys.
- Pails.
- Cartridges.

* HD5211EA is not suitable for organoleptic applications.