



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 HD5740UA (Injection Moulding)

Typical properties	Test method (ASTM)	Unit	Value
MFI@190°C, 2.16 kg	D1238	gr/10min	4
Density	D1505	gr/cm ³	0.957
Tensile Strength@Yield	D638	Mpa	27
Tensile Modulus	D638	Mpa	-
Elongation @Break	D638	%	1000
Flexural Modulus	D790	Mpa	1100
Hardness Shore D	D2240	-	66
Charpy Impact Resistance (Notch)	D256	Kj/m ²	10

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

❖ Main application & Characteristics:

HD5740UA is an ultra-violet light stabilised high density polyethylene copolymer grade with a narrow molecular weight distribution, specially developed for injection moulding of heavy duty articles.

♦ Characteristics:

- High rigidity.
- High impact resistance, especially at low temperatures.
- Good weathering resistance.

♦ Typical applications are:

- Large dustbins & pails.
- Pallet boxes.
- Fish crates.
- Technical parts.

* HD5740UA is suitable for food contact.