



Arak Petrochemical Company



ISO 9001:2000

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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.