



Arak Petrochemical Company



ISO 9001:2000

Certificate No.: CH98/8032

ISO 14001:2004

Certificate No.: CH03/0112

OHSAS 18001:1999

Certificate No.: CH05/0675

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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.