



ISO 9001:2000  
Certificate No.: CH98/8032

ISO 14001:2004  
Certificate No.: CH03/0112

OHSAS 18001:1999  
Certificate No.: CH05/0675

## High Density Polyethylene

### HD5211UA

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| Typical properties               | Test method (ASTM) | Unit               | Value |
|----------------------------------|--------------------|--------------------|-------|
| MFI@190°C, 2.16 kg               | D1238              | gr/10min           | 11    |
| Density                          | D1505              | gr/cm <sup>3</sup> | 0.951 |
| Tensile Strength @ Yield         | D638               | Mpa                | 27    |
| Tensile Modulus                  | D638               | Mpa                | -     |
| Elongation @Break                | D638               | %                  | 1000  |
| Flexural Modulus                 | D790               | Mpa                | 1000  |
| Hardness                         | D2240              | Shore D            | 66    |
| Charpy Impact Resistance (Notch) | D256               | Kj/m <sup>2</sup>  | 6     |

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

#### ❖ Main application & Characteristics:

HD5211UA is an ultra-violet light stabilized 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
- Good weathering resistance.

#### ◆ Typical applications:

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

\* HD5211UA is not suitable for organoleptic applications.