

HD-6040UA High Density polyethylene

1) Product Description

HD-6040UA is an ultra-violet light stabilized high density polyethylene injection grade with a narrow molecular weight distribution, specially developed for injection moulding of heavy duty parts for outdoor application. Articles produced from this grade exhibit excellent impact strength and stiffness, low warpage, good weathering resistance.

2) Applications

- Pallet
- Technical parts
- Large dustbins and pails
- Shipping container
- Fish crates
- Storing cases

3) Typical data

| Property | Test Method | Unit | Typical Value |
|-----------------------------|-------------|--------------------|---------------|
| | | | HD-6040UA |
| MFI(190°C/ 2.16Kg) | ASTM D 1238 | gr/10Min | 3.6 |
| MFI(190°C / 5.0Kg) | | | - |
| Density | ASTM D 1505 | gr/cm ³ | 0.960 |
| Anti Oxidant | | | √ |
| UV Stabilizer | | | √ |
| Flexural Modulus | ASTM D 790 | MPa | 1250 |
| Tensile Strength at yield | ASTM D 638 | MPa | 31 |
| Elongation at Break | ASTM D 638 | % | 1000 |
| Charpy Impact Strength | ASTM D 256 | Kj/m ² | 11 |
| Hardness Shore D | ASTM D 2240 | - | 68 |
| ESCR, F50, 10% Igepal, | ASTM D1894 | hr | 12 |
| Vicat Softening Temperature | ASTM D 1525 | °C | 125 |
| Melting Point | ASTM D2117 | °C | 132 |

The above data are typical laboratory average. They are intended to serve as guide only.

Producer: Tabriz Petrochemical Co.

Licensor: BP

Packing: 25 Kg plastic bag

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