

Technical Datasheet I3UV

1) Product Description:

“I3UV (HC 7260)” is a high Density polyethylene with Propylene as comonomer. The product has good impact strength, good stress cracking resistance (ESCR), low warping and good flow ability as well as high density, hardness and stiffness Stabilization: Ca-Stearate, Irganox1010, UV stabilizer.

2) Applications:

- Transport and stacking crates.
- Particularly bottle crates.
- Engineering parts.
- Closures

3) Typical data:

| PROPERTY | TEST METHOD | UNIT | TYPICAL VALUE* |
|---|--------------|-------------------|----------------|
| Melt Flow Rate (MFR) (190°C/2.16kg) (190°C/5kg) | ISO 1133 | g/10min | 8 23 |
| Density | ISO 1183 | g/cm ³ | 0957 |
| Tensile Strength at yield | ISO 527 | MPa | 29 |
| Tensile Strength at break | ISO 527 | MPa | 30 |
| Elongation at break | ISO 527 | % | >1000 |
| Hardness Shore D | ISO 868 | -- | 64 |
| ESCR (FNCT) at 2.5 MPa | ISO CD 16770 | h | 1.5 |
| Charpy Notch Impact Strength | ISO 179 | Kj/m ² | 3 |
| Vicat Softening Temperature | ISO 306 | °C | 72 |
| Melting Point | ISO 3146 | °C | 138 |

* Typical values not to be construed as specifications.