

Eltex® HD6070EA-B

High Density Polyethylene
INEOS Olefins & Polymers Europe

Message:

Eltex® HD6070EA-B is a high-density polyethylene with a narrow molecular weight distribution, specially developed for the injection and compression moulding of caps & closures for the packaging of beverages. Thanks to high purity and excellent organoleptic properties, this grade is particularly intended for the packaging in direct contact with beverages.

Benefits & Features

- Easy processing
- High rigidity
- Good impact strength
- Low warpage
- Slip agent free grade

Excellent, quality controlled organoleptic properties. In order to preserve the excellent organoleptic properties, it is important not to exceed a melt temperature of 250°C during processing

Applications

- Caps & closures for the packaging of still mineral water, aromatized waters and juices
- Caps & closures for the packaging of medical and pharmaceutical applications

| General Information | | | |
|---|--------------------------------------|----------|-----------------|
| Features | Excellent Organoleptic Properties | | |
| | Food Contact Acceptable | | |
| | Good Impact Resistance | | |
| | Good Processability | | |
| | High Density | | |
| | High Purity | | |
| | High Rigidity | | |
| | Low Warpage | | |
| | Narrow Molecular Weight Distribution | | |
| Uses | Caps | | |
| | Closures | | |
| RoHS Compliance | Contact Manufacturer | | |
| Forms | Pellets | | |
| Processing Method | Compression Molding | | |
| | Injection Molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Density | 0.960 | g/cm³ | ISO 1183 |
| Melt Mass-Flow Rate (MFR) (190°C/2.16 kg) | 7.6 | g/10 min | ISO 1133 |
| Environmental Stress-Cracking Resistance | 6.00 | hr | Internal Method |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Modulus (23°C) | 1500 | MPa | ISO 527-2 |

| | | | |
|---------------------------------------|---------------|-------------------|-------------|
| Tensile Stress (Yield, 23°C) | 31.0 | MPa | ISO 527-2 |
| Impact | Nominal Value | Unit | Test Method |
| Charpy Notched Impact Strength (23°C) | 4.0 | kJ/m ² | ISO 179 |

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
Phone: +86 13424755533
Email: sales@su-jiao.com
No. 215, Lianhe North Road, Fengxian District, Shanghai, China

