

Eltex® HD6070EA-B

High Density Polyethylene

INEOS Olefins & Polymers Europe

Technical Data

Product Description

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.

Typical applications

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

Benefits and 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.

General

Material Status	• Commercial: Active		
Literature ¹	• Technical Datasheet (English)		
Search for UL Yellow Card	• INEOS Olefins & Polymers Europe		
Availability	• Europe		
Features	• Food Contact Acceptable • Good Impact Resistance • Good Organoleptic Properties	• Good Processability • High Density • High Purity	• High Rigidity • Low Warpage • Narrow Molecular Weight Distribution
Uses	• Caps	• Closures	
RoHS Compliance	• Contact Manufacturer		
Processing Method	• Compression Molding	• Injection Molding	

Physical	Nominal Value Unit	Test Method
Density	0.960 g/cm³	ISO 1872-1
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	1500 MPa	ISO 527-2/1B
Tensile Stress (Yield)	31.0 MPa	ISO 527-2/1B
Impact	Nominal Value Unit	Test Method
Charpy Notched Impact Strength (23°C)	4.0 kJ/m²	ISO 179

Notes

¹ These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

² Typical properties: these are not to be construed as specifications.