ELTEX® HD6070EA-B

Product Technical Information

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

Properties	Conditions	Test Methods	Values	Units
Physical				
Density		ISO1183-1 & ISO 1872-1	960	kg/m³
Melt Flow Rate	190°C/2.16Kg	ISO 1133-1	7.6	g/10min
Mechanical				
Tensile Modulus	23°C	ISO 527-1,-2	1500	MPa
Tensile Strength at Yield	23°C	ISO 527-1,-2	31	MPa
Charpy Impact Strength	23°C	ISO 179	4.0	kJ/m²
Environmental Stress Cracking Resistance (ESCR) on 1881 cap	40°C, 2 bar, 10% surfactant	INEOS Test Method	27	h
Organoleptic				
Organoleptic properties		INEOS Test Method	ok	-

Data should not be used for specification work

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Storage

The product should be stored in a dry and dust free environment at temperature below 50°C. Exposure to direct sunlight should be avoided as this may lead to product deterioration. It is advised to process the product within maximum one year after delivery.

Regulatory Information

The product and uses described herein may be subject to specific requirements or limitations for use in certain applications like food contact, drinking water or medical devices. Further information may be obtained from the website www.ineos.com where a specific Regulatory Certificate is available for each grade under the heading "SDS & Regulatory Certificate".

Unless specifically indicated, the product mentioned herein is not suitable for applications in the medical or pharmaceutical sectors.

Health and Safety Information

The product described herein may require precautions in handling. The available product health and safety information for this material is contained in the Safety Data Sheet (SDS) that may be obtained from the website www.ineos.com. Before using any material, a customer is advised to consult the SDS for the product under consideration for use.

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