



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/m ³
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/m ²
Environmental Stress Cracking Resistance (ESCR)		INEOS Test Method	6.0	h
Organoleptic				
Organoleptic properties		INEOS Test Method	ok	-
Data should not be used for specification work				

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.