ELTEX® HD5240GA-B

Product Technical Information

ELTEX® HD5240GA-B is a High Density Polyethylene copolymer with a narrow molecular weight distribution, particularly intended for the injection moulding of caps & closures for the packaging of beverages.

Benefits & Features

- Easy processing
- Low warpage
- Good impact strength
- Good environmental stress cracking resistance
- Excellent quality controlled organoleptic properties
- Grade containing a highly effective slip agent ensuring easy cap application and opening

Applications

Thanks to high purity and excellent organoleptic properties, **ELTEX® HD5240GA-B** is particularly intended for packaging in direct contact with beverages.

- Caps and closures for the packaging of juices and slightly carbonated or pressurized aromatized beverages

Properties	Conditions	Test Methods	Values	Units
Rheological				
Melt Flow Rate	190°C/2.16kg	ISO 1133-1	4	g/10min
Physical				
Density ISO 17855-1	23°C	ISO 1183-1	950	kg/m³
Mechanical				
Tensile Modulus	23°C, 1 mm/min	ISO 527-2	1100	MPa
Tensile Strength at Yield	23°C	ISO 527-1,-2	25	MPa
Charpy Impact Strength, notched	23°C	ISO 179-1/1eA	5.5	kJ/m²
Environmental Stress Cracking Resistance (ESCR) on cap	40°C, 4 bar, 10% Igepal	INEOS Test Method	13	h
Organoleptic				
Organoleptic properties		INEOS Test Method	ok	-

In order to preserve the excellent organoleptic properties, it is important not to exceed a melt temperature of 250°C during processing
Exposure to direct sunlight has to be avoided as the slip agent is light sensitive and its degradation can give off-taste to the beverage.

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.