



# ELTEX<sup>®</sup> HD5211EA-B

## Product Technical Information

ELTEX<sup>®</sup> HD5211EA-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
- Excellent quality controlled organoleptic properties
- Slip agent free grade

## Applications

Thanks to high purity and excellent organoleptic properties, ELTEX<sup>®</sup> HD5211EA-B is particularly intended for packaging in direct contact with beverages.

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

Properties	Conditions	Test Methods	Values	Units
<b>Rheological</b>				
Melt Flow Rate	190°C/2.16kg	ISO 1133-1	11	g/10min
<b>Physical</b>				
Density ISO 17855-1	23°C	ISO 1183-1	951	kg/m <sup>3</sup>
<b>Mechanical</b>				
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	3.5	kJ/m <sup>2</sup>
Environmental Stress Cracking Resistance (ESCR) on cap	40°C, 4 bar, 10% Igepal	INEOS Test Method	6	h
<b>Organoleptic</b>				
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

**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.