

# Eltex® HD5240GA-B

## Product Technical Information

Eltex® HD5240GA-B is a high density polyethylene copolymer grade with a narrow molecular weight distribution, specially developed for injection of caps and closures applications requiring good environmental stress-cracking resistance. Thanks to high purity and excellent organoleptic properties, this grade is particularly intended for the packaging in direct contact with beverages.

## Typical applications

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

## Benefits and Features

- Easy processing
- Good environmental stress cracking resistance
- High impact strength
- Low warpage
- Grade containing slip agent ensuring easy application and opening  
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.
- 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.

Properties	Test Method	Value	Units
<b>Physical</b>			
Density	ISO 1872	950	kg/m <sup>3</sup>
MFR	ISO 1133	4	g/10m
<b>Mechanical &amp; Impact Properties</b>			
Tensile Modulus	ISO 527 – 1&2 (1B)	1100	MPa
Tensile Strength @ yield	ISO 527 – 1&2 (1B)	25	MPa
Charpy Impact Strength, 23°C	ISO 179	5.5	kJ/m <sup>2</sup>
ESCR	INEOS Polyolefins	13	h
<b>Other</b>			
Organoleptic properties	INEOS	OK	-