

Eltex® HD5211GA-B

Product Technical Information

Eltex® HD5211GA-B is a high-density polyethylene copolymer grade with a narrow molecular weight distribution, specially developed for the injection 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.

Typical applications

- Caps & closures for the packaging of still mineral water, aromatized waters and juices

Benefits and Features

- Easy processing
- Good 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 Methods	Values	Units
Physical				
Density		ISO 1872	951	kg/m ³
Melt Flow Rate	2.16 kg load	ISO 1133	11	g/10min
Mechanical				
Tensile Modulus		ISO 527 -1&2 (1B)	1100	MPa
Tensile Strength	@ Yield	ISO 527 -1&2 (1B)	26	MPa
Charpy Impact Strength, 23°C		ISO 179	3.5	kJ/m ²
Environmental Stress Cracking Resistance (ESCR)		INEOS	6	h
Other				
Organoleptic properties		INEOS	OK	-

The values given are typical values measured on the product. These values should not be considered as specification