

Eltex® HD5240EA-B

Product Technical Information

Eltex® HD5240EA-B is a high-density polyethylene copolymer grade with a narrow molecular weight distribution, specially developed for injection of caps & 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 & closures for the packaging of still mineral water, functionalized beverages and slightly carbonated or pressurized beverages

Benefits and Features

- Easy processing
- Good environmental stress cracking resistance
- High 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.

Properties		Test Methods	Values	Units
Physical				
Density		ISO 1872	950	kg/m ³
Melt Flow Rate	2.16 kg load	ISO 1133	4	g/10min
Mechanical				
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 ²
Environmental Stress Cracking Resistance (ESCR)		INEOS	13	h
Other				
Organoleptic properties		INEOS	OK	-

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