Eltex® B4020N1332

High Density Polyethylene Copolymer

INEOS Olefins & Polymers Europe

Message:

Eltex® B4020N1332 is a high-density polyethylene copolymer particularly intended for the injection moulding and compression moulding of screw caps for the packaging beverages. It is especially suitable for applications requiring high 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 carbonated soft drinks
Benefits and Features
Very good stress cracking resistance
Excellent processing performances
High impact strength
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.
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.

General Information	
Additive	slip agent
Features	High purity High ESCR (Stress Cracking Resistance) Copolymer smoothness Impact resistance, high Workability, good Good sensory characteristics
Uses	Shield Shell
RoHS Compliance	Contact manufacturer
Forms	Particle
Processing Method	Compression molding Injection molding

Physical	Nominal Value	Unit	Test Method
Density	0.952	g/cm³	ISO 1183/A
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.9	g/10 min	ISO 1133
Environmental Stress-Cracking Resistance	16.0	hr	ASTM D1693
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	1100	MPa	ISO 527-2/1B
Tensile Stress (Yield)	25.0	MPa	ISO 527-2/1B

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	6.0	kJ/m^2	ISO 179

Additional Information

The value listed as Density, ISO 1183, was tested in accordance with ISO 1872.The value listed as Enviro. Stress Crack Res. ASTM D1693, was tested in accordance with INEOS test methods.Organoleptic Properties, INEOS Method: OK

Recommended distributors for this material

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