Eltex® HD5130EA-B

High Density Polyethylene

INEOS Olefins & Polymers Europe

Message:

Eltex® HD5130EA-B is a high-density polyethylene copolymer grade with a narrow molecular weight distribution, specially developed for injection and compression moulding application requiring very 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 sparkling water and carbonated soft drinks
Caps & closures for the packaging of medical and pharmaceutical applications
Benefits and Features
Very good environmental stress cracking resistance
Very 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.

General Information	
Features	Ultra-high impact resistance High purity Low warpage High ESCR (Stress Cracking Resistance) Copolymer Good sensory characteristics Narrow molecular weight distribution
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
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.4	g/10 min	ISO 1133
Environmental Stress-Cracking Resistance	20.0	hr	ASTM D1693
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	1200	MPa	ISO 527-2/1B
Tensile Stress (Yield)	27.0	MPa	ISO 527-2/1B
Impact	**Nominal Value**	**Unit**	**Test Method**

Charpy Unnotched Impact Strength (23°C)	8.0	kJ/m^2	ISO 179

Additional Information

The value listed as Density ASTM D1183, was tested in accordance with ASTM D1872.The value listed as Eniro. Stress Crack Res. ASTM D1693, was tested in accordance with INEOS test methods.Organoleptic Properties, INEOS methods: OK

Recommended distributors for this material

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