

Eltex® B4020LGN1963

Eltex® B4020LG/35

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High Density Polyethylene – Milk blow moulding resins



Eltex® B4020LGN1963 high density polyethylene is a copolymer manufactured by INEOS O&P Europe using its supported catalyst process. It is a granular resin used for high-speed blow moulding of bottles. Its high purity makes it suitable for the packaging of both pasteurised and sterilized milk (in bottle sterilization).

- Eltex® B4020LG/35 contains 1% titanium dioxide
- Eltex® B4020LG/34 contains 4.5 % titanium dioxide and is intended for the co-extrusion of bottles for the packaging of sterilized or UHT milk.

The resins guarantee the preservation of the organoleptic properties of milk and have the following essential properties:

- A very low odour level
- Good heat resistance
- Good impact resistance
- Good stress cracking resistance

They meet EU and FDA regulations governing the approval of materials used in the manufacture of packaging which may come into contact with food products. INEOS O&P Europe will be happy to supply customers with certificates of conformity to the various national legislations.

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Properties	Test methods	Values* B4020LGN1963	Values* B4020LG/35	Values* B4020LG/34	Units
Density, standard @ 23°C	ISO 1183 A ⁽¹⁾	952	960	990	kg/m ³
Melt Flow Rate (190°C, 2.16 kg)	ISO 1133	1.8	1.8	1.8	g/10 min
Apparent dynamic viscosity @ 190°C	INEOS ⁽²⁾	1100	1100	1100	Pa.s
Molecular weight distribution	INEOS	medium	medium	medium	

(1) compression-moulded discs, cooled at the rate of 15°C per minute

(2) apparent dynamic viscosity of the material extruded at 190°C through a 1.0 mm diameter and 15 mm long die, at apparent shear rate 100 s⁻¹

* The table gives the typical values measured on the product. These values should not be considered as specifications.

Regulatory Information

The product and uses described herein may require global product registrations and notifications for chemical inventory listings, or for use in food contact or medical devices. For further information, send an email to psnohreg@ineos.com.

Unless specifically indicated, the products mentioned herein are not suitable for applications in the medical or pharmaceutical sector.

Health and Safety Information

The product described herein may require precautions in handling. The available product health and safety information for this material is contained in the Material Safety Data Sheet (MSDS) that may be obtained from the website www.ineospolyolefins.com. Before using any material, a customer is advised to consult the MSDS for the product under consideration for use.

Exclusion of Liability

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