

Eltex® B4020LG/35

High Density Polyethylene
INEOS Olefins & Polymers Europe

Message:

Eltex® B4020LGN1963 high-density polyethylene is a copolymer manufactured by INEOS Polyolefins 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 organoleptical properties of milk and have the following essential properties:

A very low odour level

Good impact resistance

Good heat resistance

Good stress crack 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 Polyolefins will be happy to supply customers with certificates of conformity to the various national legislations.

General Information			
Additive	Titanium Dioxide (TiO2) (1%)		
Features	Copolymer		
	Food Contact Acceptable		
	Good Impact Resistance		
	High Density		
	High ESCR (Stress Crack Resist.)		
	High Heat Resistance		
	High Purity		
	Low to No Odor		
Uses	Med.-Wide Molecular Weight Distrib.		
	Blow Molding Applications		
Agency Ratings	Bottles		
	EU Food Contact, Unspecified Rating		
RoHS Compliance	FDA Food Contact, Unspecified Rating		
	Contact Manufacturer		
Forms	Granules		
Processing Method	Blow Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.960	g/cm³	ISO 1183/A
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.8	g/10 min	ISO 1133
Viscosity ¹ (190°C)	1100000	mPa · s	Internal Method

NOTE

1. 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

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