

Eltex® B2020LG/34

High Density Polyethylene Copolymer

INEOS Olefins & Polymers Europe

Message:

Eltex® B2020LG/34 high density polyethylene is a white copolymer manufactured by INEOS Polyolefins. It contains 4.5 % titanium dioxide and is intended for the co-extrusion of bottles for the packaging of UHT sterilized milk. The resin is specifically designed for 3- or 6- layer bottles. It has the following essential properties:

A very low odour level guaranteeing the organoleptic properties of milk

Good rigidity

Good impact strength

Easy processing

It meets EU and FDA regulations governing the approval of materials used in the manufacture of packaging which may come into contact with food products.

General Information			
Additive	Titanium Dioxide (TiO2) (5%)		
Features	Copolymer		
	Food Contact Acceptable		
	Good Impact Resistance		
	Good Organoleptic Properties		
	Good Processability		
	High Density		
	High Heat Resistance		
	Low to No Odor		
	Med.-Wide Molecular Weight Distrib.		
Uses	Medium Rigidity		
Uses	Bottles		
	Food Packaging		
Agency Ratings			
	EU Food Contact, Unspecified Rating		
Agency Ratings	FDA Food Contact, Unspecified Rating		
RoHS Compliance	Contact Manufacturer		
Appearance	White		
Processing Method	Coextrusion		
Physical	Nominal Value	Unit	Test Method
Density ¹	1.00	g/cm³	ISO 1183/A
Melt Mass-Flow Rate (MFR)			ISO 1133
190°C/2.16 kg	1.8	g/10 min	
190°C/5.0 kg	6.0	g/10 min	
Viscosity			Internal Method
190°C ²	1100000	mPa · s	

in tetralene : 160°C ³	1.60E-4	g/ml
NOTE		
1.	Compression molded discs, cooled at 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	
3.	Inherent viscosity at 1 g / L	

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