

Eltex® LGB163N2045

High Density Polyethylene
INEOS Olefins & Polymers Europe

Message:

Eltex® LGB163N2045 high density polyethylene is a white homopolymer manufactured by INEOS Polyolefins. It contains 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 guarantees the preservation of the organoleptic properties of milk and has the following essential properties:

High density, ensuring good rigidity of finished products

A melt viscosity which ensures easy processing

A very low odour level

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	Food Contact Acceptable		
	Good Organoleptic Properties		
	Good Processability		
	High Density		
	Homopolymer		
	Low to No Odor		
	Med.-Wide Molecular Weight Distrib.		
	Medium Rigidity		
Uses	Bottles		
	Food Packaging		
Agency Ratings	EU Food Contact, Unspecified Rating		
	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) (190°C/2.16 kg)	0.40	g/10 min	ISO 1133
Viscosity ² (190°C)	1400000	mPa · s	Internal Method
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

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