

Eltex® LGB163N2045

High Density Polyethylene – Milk blow moulding resin



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.

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



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Properties		Test Methods	Values*	Units
Physical				
Density, standard	@ 23°C	ISO 1183 A ⁽¹⁾	1000	kg/m ³
Melt Flow Rate (190°C/2.16 kg)		ISO 1133	0.40	g/10 min
Apparent dynamic viscosity	@ 190°C	INEOS ⁽²⁾	1400	Pa.s
Molecular weight distribution		INEOS	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.