



## Milk packaging is our speciality

INEOS Polyolefins manufactures and markets Polyethylene and Polypropylene and is in the top three producers in both Europe and the world.

HDPE is the material of choice for fresh and long-life milk bottle packaging. The main advantages of HDPE bottles are the light weighting, design flexibility, easy process that can be managed by the dairies themselves and last but not least low cost.

INEOS Polyolefins offers a full range of HDPE grades perfectly adapted to each type of milk :

- Natural grades for fresh milk and sterilised flavoured milk, less sensitive to light
- White grades ready-to-use for the production of 3-layer and 6-layer bottles offering a perfect light barrier and perfect light and oxygen barriers respectively.

On top of that, our product range covers each type of milk (fresh, sterilised, UHT) and each type of blow-moulding machines (low / high output, wheel / shuttle concept).

INEOS Polyolefins is the market leader in HDPE for 40 years in fresh and sterilised milk packaging and 20 years in UHT milk packaging in coextruded bottles.

[www.ineospolyolefins.com](http://www.ineospolyolefins.com)

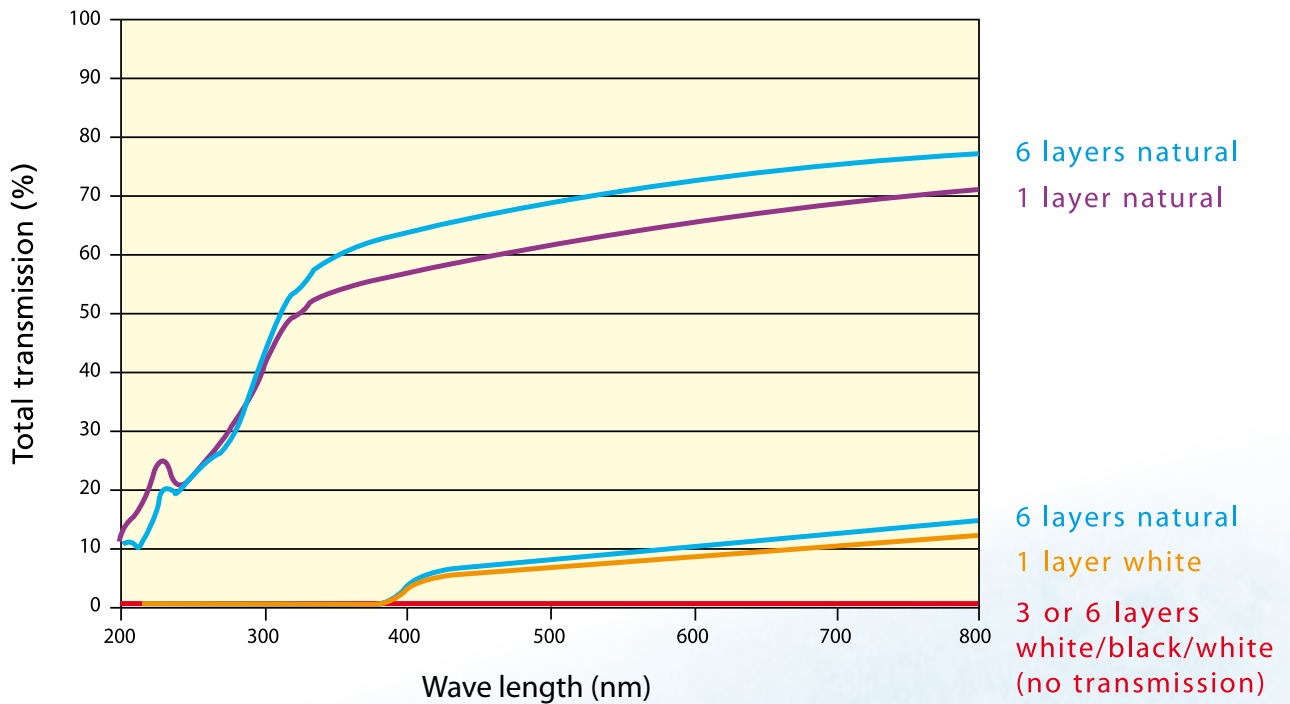


Offering much more than a product, offering you solutions!

**INEOS Polyolefins**



## INFLUENCE OF BOTTLE WALL STRUCTURE ON THE PRESERVATION OF THE ORGANOLEPTIC PROPERTIES OF MILK



A structure containing a carbon black layer is needed to preserve the milk quality against the UV and visible light, whatever the oxygen barrier is.

**More than 40 years of experience in high-density polyethylene with the Eltex® and Rigidex® range for milk packaging:**






- A range of HDPE resins adapted for every type of machine
- White ready-to-use compounds for coextruded bottles
- Worldwide supply
- A complete product range for every type of milk (fresh, sterilised, UHT)

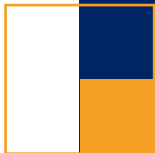




## ELTEX® AND RIGIDEX® RANGE FOR BLOW MOULDING MACHINES:

- high output (4000 - 6000 bt/h)
- very high output (10000 - 12000 bt/h)

	<b>Eltex® – Rigidex® grade</b>	<b>Application</b>
	Eltex® B4020LGN1963	Milk is filled and sterilised within the HD-PE bottle. Sterilised milk can be stored during 6 months at room temperature. <ul style="list-style-type: none"><li>- The bottles are made of natural HD-PE and have a single layer.</li><li>- The bottles can be labelled or sleeved. Colouration of bottles in yellow, brown, strawberry, is possible.</li></ul>
	Eltex® B4020LG/35 Eltex® B4020LG/34	Milk is filled and sterilised within the HD-PE bottles. Sterilised milk can be stored during 6 months at room temperature. <ul style="list-style-type: none"><li>- The bottles have a single white layer or a coextruded multilayer structure (3- or 6- layers).</li><li>- The bottles can be labelled or sleeved.</li></ul>
	Eltex® MMPE 3940/10	Eltex® MMPE3940/10 is a carbon black concentrate used for the pigmentation of the middle black layer of multilayer bottles.
	Eltex® B2020LG/34 Eltex® LGB163N2045 Eltex® LGB263N2070	Milk is filled in HD-PE bottles under aseptic conditions. UHT milk can be stored up to 6 months at room temperature. <ul style="list-style-type: none"><li>- The bottles have a multilayer structure (3- or 6- layer).</li><li>- The bottles can be labelled or sleeved.</li></ul>
	Eltex® MMPE 3940/10	Eltex® MMPE3940/10 is a carbon black concentrate used for the pigmentation of the middle black layer of multilayer bottles.
	Rigidex® HD6007S	Milk is filled in HD-PE bottles and can only be stored several days at low temperature (cold chain).



## Solutions to customers

Our market position is the result of continuous development of HDPE process and grades enabling us to supply organoleptic grades protecting the good taste of milk.

INEOS Polyolefins is committed to have close and continuous collaboration with customers, blow moulding machine manufacturers and brand owners.

INEOS Polyolefins has extensive research & development facilities in Brussels (Belgium) and is actively engaged in new development projects.

## Contact:

For further details on any of the information contained in this folder, do not hesitate to contact our technical team for advice through your local contacts.

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