



ELTEX[®] MED PH23T630

Product Technical Information

Low Density Polyethylene for Healthcare applications

Benefits & Features

ELTEX[®] MED PH23T630 is a LD-polyethylene for injection moulding having excellent flow properties allowing short cycle time or easy filling of long flow-paths. The moulded article is characterized by low degree of built-in stress & good flexibility

ELTEX[®] MED PH23T630 is produced according to good manufacturing practice and is additive-free.

Applications

ELTEX[®] MED PH23T630 is recommended for injection moulding of:

- Flexible lids
- Caps and closures
- Pharmaceutical & diagnostic packaging

ELTEX[®] MED PH23T630 can be sterilized with Eto-treatment or with Gamma radiation up till 50 kGy

Properties	Conditions	Test Methods	Values	Units
Physical				
Density		ISO1183-1 & ISO 1872-1	923	kg/m ³
Melt Flow Rate	190°C/2.16 kg	ISO 1133-1	22	g/10 min
Mechanical				
Tensile Strain at Break	50 mm/min	ISO 527-1,-2	130	%
Tensile Modulus	1 mm/min	ISO 527-1,-2	180	MPa
Tensile Impact Strength, notched		ISO 8256/A1	160	kJ/m ²
Hardness Shore D*		ISO 868	49	-
Thermal				
Heat Deflection Temperature	0.45 MPa	ISO 75-2	49	°C
Vicat Softening Temperature	10 N	ISO306/A50	92	°C

Data should not be used for specification work

* Values determined on injection moulded specimens acc. to ISO 1872-2

Compliance to Regulations on Medical use

ELTEX[®] MED PH23T630 complies with the European Pharmacopoeia – Monograph 3.1.4 and meets the requirements of the USP29, <88> guideline concerning the biological reactivity test in vivo (so-called USP Class VI)

January, 2018

Published by
INEOS Olefins & Polymers Europe



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Processing guidelines

Melt temperature	180-230°C
Injection speed	Highest possible
Hold pressure	Just high enough to avoid sink marks
Mould temperature	10-40°C
Shrinkage	1.5-2% depending on wall thickness and moulding parameters

Storage

The product should be stored in a dry and dust free environment at temperature below 50°C. Exposure to direct sunlight should be avoided as this may lead to product deterioration. It is advised to process the product within maximum one year after delivery.

Regulatory Information

The product and uses described herein may be subject to specific requirements or limitations for use in certain applications like food contact, drinking water or medical devices. Further information may be obtained from the website www.ineos.com where a specific Regulatory Certificate is available for each grade under the heading "SDS & Regulatory Certificate".

Unless specifically indicated, the product mentioned herein is not suitable for applications in the medical or pharmaceutical sectors.

Health and Safety Information

The product described herein may require precautions in handling. The available product health and safety information for this material is contained in the Safety Data Sheet (SDS) that may be obtained from the website www.ineos.com. Before using any material, a customer is advised to consult the SDS for the product under consideration for use.

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