



ELTEX[®] MED PH23H630

Product Technical Information

Low Density Polyethylene for Pharmaceutical Blow Moulding

A bio attributed, ISCC+ certified, sustainable version of this grade is also available under the same name.

Benefits & Features

ELTEX[®] MED PH23H630 is a LD-polyethylene produced in a high-pressure process intended for blow moulding of soft and flexible packages for pharmaceutical products. It is produced according to good manufacturing practice and is additive-free.

Thanks to its low viscosity, **ELTEX[®] MED PH23H630** can be processed at temperatures as low as 160-165°C, allowing a low ampoule wall temperature, and is therefore suitable for vaccines packaging with adapted BFS technology.

Applications

- Ampoules and bottles
- Film extrusion
- Injection moulding

The product is not intended for heat sterilization.

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	2.0	g/10 min
Mechanical				
Tensile Stress at Yield	50 mm/min	ISO 527-1,-2	11	MPa
Hardness Shore D		ISO 868	50	-
Thermal				
Heat Deflection Temperature	0.45 MPa	ISO 75-2	50	°C
Data should not be used for specification work				

Compliance to Regulations on Medical use

ELTEX[®] MED PH23H630 complies with the European Pharmacopoeia – Monograph 3.1.4, USP 661.1 and USP <88> Class VI.

Processing guidelines

ELTEX[®] MED PH23H630 is easy to extrude.

Recommended melt temperature is 160-190°C

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.