



Eltex[®] MED PH19N630

Product Technical Information

Low Density Polyethylene homopolymer for pharmaceutical extrusion coating & injection moulding

Benefits & Features

Eltex[®] MED PH19N630 is an LD-polyethylene produced in a high-pressure process intended for extrusion coating and injection moulding of soft and flexible packages for pharmaceutical products.

Eltex[®] MED PH19N630 is produced according to good manufacturing practice

- additive-free
- good processing

Applications

- extrusion coating
- primary and secondary packaging
- press-fit stoppers
- caps, closures
- injected tubes

Properties	Conditions	Test Methods	Values	Units
Physical				
Density		ISO1183-1 & ISO 1872-1	920	kg/m ³
Melt Flow Rate	190°C/2.16 kg	ISO 1133-1	7.5	g/10 min
Mechanical				
Tensile Stress at Yield	50 mm/min	ISO 527-1,-2	9	MPa
Tensile Stress at Break	50 mm/min	ISO 527-1,-2	10	MPa
Tensile Strain at Break	50 mm/min	ISO 527-1,-2	550	%
Hardness Shore D		ISO 868	47	-
Thermal				
DSC Melting Temperature	(10°C/min)	INEOS method	108	°C
Vicat Softening Temperature		ISO 306 Method A	88	°C
Data should not be used for specification work				

Compliance to Regulations on Medical use

Eltex[®] MED PH19N630 complies with the compositional requirements of European Pharmacopoeia – Monograph 3.1.3. and 3.1.4

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.