

Eltex® MED PH23T630

Low Density Polyethylene

INEOS Olefins & Polymers Europe

Message:

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

General Information			
Features	Additive Free		
	Ethylene Oxide Sterilizable		
	Fast Molding Cycle		
	Good Flexibility		
	High Flow		
	Low Density		
	Radiation Sterilizable		
Uses	Caps		
	Closures		
	Lids		
	Medical/Healthcare Applications		
	Pharmaceutical Packaging		
Agency Ratings	EP Monograph 3.1.4		
	USP 29		
	USP Class VI		
RoHS Compliance	Contact Manufacturer		
Forms	Granules		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.923	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	22	g/10 min	ISO 1133
Molding Shrinkage	1.5 to 2.0	%	
Hardness	Nominal Value	Unit	Test Method

Shore Hardness (Shore D, Injection Molded)	49		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	180	MPa	ISO 527-2/1
Tensile Strain (Break)	130	%	ISO 527-2/50
Impact	Nominal Value	Unit	Test Method
Tensile Impact Strength	160	kJ/m ²	ISO 8256/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	49.0	°C	ISO 75-2/B
Vicat Softening Temperature	92.0	°C	ISO 306/A50
Injection	Nominal Value	Unit	
Processing (Melt) Temp	180 to 230	°C	
Mold Temperature	10.0 to 40.0	°C	
Injection Rate	Fast		

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