



Eltex® MED 100-MG25

Product Technical Information

Polypropylene-Homopolymer for Medical & Pharmaceutical injection moulding

Benefits & Features

Eltex® MED 100-MG25 is a narrow molecular weight distribution non-nucleated polypropylene homopolymer, intended for injection moulding converting processes requiring high melt flow, fast-cycling multi-cavity tooling operations, and good dimensional stability.

Eltex® MED 100-MG25 is produced according to Good Manufacturing Practices, and is available in granular form.

Applications

Eltex® MED 100-MG25 is especially recommended for the manufacture by injection moulding of syringe and metered-dose inhaler components, Caps & Closures, thin wall containers as well as tubes, intended for the primary packaging of medical and pharmaceutical applications.

Properties	Conditions	Test Methods	Values	Units
Physical				
Melt Flow Rate	230°C/2.16Kg	ISO 1133-1	25	g/10min
Mechanical				
Flexural Modulus	23°C	ISO 178	1200	MPa
Tensile Strength at Yield	23°C	ISO 527-1,-2	32	MPa
Izod Impact Strength, notched	23°C	ISO 180/A	3.2	kJ/m ²
Charpy Impact Strength, notched	23°C	ISO 179/A	2.4	kJ/m ²
Thermal				
Heat Deflection Temperature	0.45 MPa	ISO 75-2	102	°C
Data should not be used for specification work				

Compliance to Regulations on Medical use

Eltex® MED 100-MG25:

- complies with European Pharmacopeia Monographs 3.1.3 and 3.1.6
- meets the requirements of the USP 29, <88> guideline concerning the biological reactivity test in vivo (so-called USP class VI)

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.