ELTEX® MED 100-MG03

Product Technical Information

Polypropylene-Homopolymer for Medical & Pharmaceutical injection moulding

Benefits & Features

ELTEX® MED 100-MG03 is a non-nucleated polypropylene homopolymer intended for injection moulding, extrusion and thermoforming converting processes requiring medium melt flow and good parison strength. **ELTEX® MED 100-MG03** is produced according to Good Manufacturing Practices, and is available in granular form.

Applications

ELTEX® MED 100-MG03 is especially recommended for manufacturing dry powder / metered dose inhaler components by injection moulding. It can also be used for primary rigid packaging of medical and pharmaceutical applications.

Properties	Conditions	Test Methods	Values	Units
Physical				
Melt Flow Rate	230°C/2.16kg	ISO 1133-1	3	g/10min
Mechanical				
Flexural Modulus	23°C	ISO 178	1450	MPa
Tensile Strength at Yield	23°C	ISO 527-1,-2	35	MPa
Izod Impact Strength, notched	23°C	ISO 180/A	4	kJ/m²
Thermal				
Peak DSC melting temperature	2nd heating	ASTM D 3418	163	°C
Vicat Softening Temperature	10N	ISO 306/A50	156	°C
Heat Deflection Temperature	0.45 MPa	ISO 75-2	93	°C

Data should not be used for specification work

Compliance to Regulations on Medical use

ELTEX® MED 100-MG03:

- complies with European Pharmacopeia Monographs 3.1.3 and 3.1.6
- meets the requirements of the USP <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.