

# Eltex® MED 100-MG03

## Product Technical Information

Polypropylene-Homopolymer for Medical & Pharmaceutical injection moulding

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		Test Methods	Values	Units
<b>Physical</b>				
Melt Flow Rate	230°C/2.16kg	ISO 1133	3	g/10min
<b>Mechanical</b>				
Flexural Modulus	@23°C	ISO 178	1450	MPa
Tensile Strength	@Yield	ISO 527-1,-2	35	MPa
Izod Impact Strength, notched	@+23°C	ISO 180/1A	4	kJ/m <sup>2</sup>
<b>Thermal</b>				
Melting Point		ASTM D 3417	163	°C
Vicat Softening Temperature	@10 N	ISO 306/A	156	°C
HDT	@0.45 MPa	ISO 75/B	93	°C

- The values given are typical values measured on the product and should not be considered as specification

## 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 29, <88> guideline concerning the biological reactivity test in vivo (so-called USP class VI)



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## Storage and handling

The product should be stored in dry conditions at temperatures below 50°C and protected from UV-light. Improper storage conditions can impart physical properties of the product and initiate degradation resulting potentially in odour generation and colour changes.

## Regulatory Information

The product and uses described herein may require global product registrations and notifications for chemical inventory listings, or for use in food contact or medical devices. For further information, send an email to [psnohreg@ineos.com](mailto:psnohreg@ineos.com).

## Health and Safety Information

The product described herein may require precautions in handling. The available product health and safety information for this material is contained in the Material Safety Data Sheet (MSDS) that may be obtained from the website [www.ineospolyolefins.com](http://www.ineospolyolefins.com). Before using any material, a customer is advised to consult the MSDS for the product under consideration for use.

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