



# ELTEX<sup>®</sup> MED 100-MG03

## Product Technical Information

Polypropylene-Homopolymer for Medical & Pharmaceutical injection moulding

### Benefits & Features

**ELTEX<sup>®</sup> 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<sup>®</sup> MED 100-MG03** is produced according to Good Manufacturing Practices, and is available in granular form.

### Applications

**ELTEX<sup>®</sup> 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             |
|-------------------------------------------------------|--------------|--------------|--------|-------------------|
| <b>Physical</b>                                       |              |              |        |                   |
| Melt Flow Rate                                        | 230°C/2.16kg | ISO 1133-1   | 3      | g/10min           |
| <b>Mechanical</b>                                     |              |              |        |                   |
| 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/m <sup>2</sup> |
| <b>Thermal</b>                                        |              |              |        |                   |
| 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                |
| <b>Data should not be used for specification work</b> |              |              |        |                   |

## Compliance to Regulations on Medical use

**ELTEX<sup>®</sup> 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)

March, 2016

Published by  
**INEOS** Olefins & Polymers Europe



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## 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.

## Regulatory Information

The product and uses described herein may be subject to specific requirements or limitations for use in certain applications like food contact, drinking water or medical devices. Further information may be obtained from the website [www.ineos.com](http://www.ineos.com) where a specific Regulatory Certificate is available for each grade under the heading "SDS & Regulatory Certificate".

Unless specifically indicated, the product mentioned herein is not suitable for applications in the medical or pharmaceutical sectors.

## 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 Safety Data Sheet (SDS) that may be obtained from the website [www.ineos.com](http://www.ineos.com). Before using any material, a customer is advised to consult the SDS for the product under consideration for use.

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March, 2016

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