



# 201-MG02

## Product Technical Information

Polypropylene **201-MG02** is random copolymer polypropylene with a Melt Flow Index of 1.8 g/10 min specially developed for the extrusion blow-moulding of medical containers and medical devices, to the exclusion of implants.

## Characteristics

Properties	Test Methods	Values	Units
<b>Rheological</b>			
Melt Flow Rate 230°C/2.16Kg	ISO 1133	1.8	g/10 min
<b>Mechanical</b>			
Tensile Strength at Yield	ISO 527-2	26	MPa
Elongation at Yield	ISO 527-2	10	%
Tensile modulus	ISO 527-2	1000	MPa
Flexural modulus	ISO 178	900	MPa
Izod Impact Strength (notched) at 23°C	ISO 180	6	kJ/m <sup>2</sup>
Charpy Impact Strength (notched) at 23°C	ISO 179	8	kJ/m <sup>2</sup>
Hardness Rockwell - R-scale	ISO 2039-2	82	
<b>Thermal</b>			
Melting Point	ISO 3146	149	°C
Vicat Softening Point	ISO 306		°C
50N-50°C per hour		67	
10N-50°C per hour		130	
<b>Other physical properties</b>			
Density	ISO 1183	0.902	g/cm <sup>3</sup>
Bulk Density	ISO 60	0.525	g/cm <sup>3</sup>
<b>Data should not be used for specification work</b>			



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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.

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### 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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