# 101-CC60

## Product Technical Information

Polypropylene **101-CC60** is a clarified high fluidity homopolymer with a Melt Flow Index of 60 g/min.

Polypropylene **101-CC60** has been designed with a very high stiffness and an outstanding transparency. It is suitable for the injection moulding of transparent packaging.

## Characteristics

| Properties | Test Methods | Values | Units |
|---|---|---|---|
| **Rheological** | | | |
| Melt Flow Rate 230°C/2.16Kg | ISO 1133 | 60 | g/10 min |
| **Mechanical** | | | |
| Tensile Strength at Yield | ISO 527-2 | 37 | MPa |
| Elongation at Yield | ISO 527-2 | 8 | % |
| Tensile modulus | ISO 527-2 | 1850 | MPa |
| Flexural modulus | ISO 178 | 1800 | MPa |
| Izod Impact Strength (notched) at 23°C | ISO 180 | 3.5 | kJ/m² |
| Charpy Impact Strength (notched) at 23°C | ISO 179 | 4 | kJ/m² |
| Hardness Rockwell - R-scale | ISO 2039-2 | 98 | |
| **Thermal** | | | |
| Melting Point | ISO 3146 | 165 | °C |
| Vicat Softening Point | ISO 306 | | °C |
| 50N-50°C per hour | | 90 | |
| 10N-50°C per hour | | 153 | |
| Heat Deflection Temperature | ISO 75-2 | | °C |
| 1.80 MPa - 120°C per hour | | 55 | |
| 0.45 MPa - 120°C per hour | | 100 | |
| **Other physical properties** | | | |
| Density | ISO 1183 | 0.905 | g/cm³ |
| Bulk Density | ISO 60 | 0.525 | g/cm³ |

**Data should not be used for specification work**

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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 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. Before using any material, a customer is advised to consult the SDS for the product under consideration for use.

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