Manufacturer website: https://www.ineos.com/businesses/ineos-olefins-polymers/

100-CA25

Product Technical Information

Polypropylene **100-CA25** is a clarified homopolymer with a Melt Flow Index of 25 g/min.

Polypropylene **100-CA25** has been designed with a very high stiffness and an outstanding transparency.

Characteristics

Properties	Test Methods	Values	Units
Rheological			
Melt Flow Rate 230°C/2.16Kg	ISO 1133	25	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	1700	MPa
Flexural modulus	ISO 178	1600	MPa
Izod Impact Strength (notched) at 23°C	ISO 180	4	kJ/m²
Charpy Impact Strength (notched) at 23°C	ISO 179	4.5	kJ/m²
Hardness Rockwell - R-scale	ISO 2039-2	98	
Thermal			
Melting Point	ISO 3146	165	°C
Vicat Softening Point	ISO 306		
50N-50°C per hour		90	°C
10N-50°C per hour		153	°C
Heat Deflection Temperature	ISO 75-2		
1.80 MPa - 120°C per hour		55	°C
0.45 MPa - 120°C per hour		100	°C
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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