

100-NA00

Product Technical Information

Polypropylene – Homopolymer

100-NA00 is a low melt flow rate, long term heat stabilized, homopolymer for blow moulding and sheet extrusion applications. It offers a very good balance stiffness - impact strength (at ambient temperature) and excellent processability.

Benefits & Features

- Good rigidity
- Excellent melt strength
- Long term heat stability
- Excellent processability

Applications

- Sheet extrusion
- Blow moulding

Properties	Conditions	Test Methods	Values	Units
Rheological				
Melt Flow Rate	230°C/2.16kg	ISO 1133-1	0.3	g/10min
Physical				
Density ISO 17855-1	23°C	ISO 1183-1	905	kg/m ³
Mechanical ⁽¹⁾				
Flexural Modulus	23°C	ISO 178	1500	MPa
Tensile Strength at Yield	23°C, 50 mm/min	ISO 527-1,-2	37	MPa
Tensile Strain at Yield	23°C, 50 mm/min	ISO 527-1,-2	10	%
Tensile Modulus	23°C, 1 mm/min	ISO 527-1,-2	1650	MPa
Charpy Impact Strength, notched	23°C	ISO 179-1/1eA	12	kJ/m ²
Charpy Impact Strength, notched	0°C	ISO 179-1/1eA	3	kJ/m ²
Thermal				
Melting Point		ASTM D 3417	162	°C
Oxidation Induction Time (OIT)	200°C	EN 728	>30	min
Data should not be used for specification work				

⁽¹⁾ Measured on 4 mm thick injection moulded specimens



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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.

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