



# 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
<b>Rheological</b>				
Melt Flow Rate	230°C/2.16kg	ISO 1133-1	0.3	g/10min
<b>Physical</b>				
Density ISO 17855-1	23°C	ISO 1183-1	905	kg/m <sup>3</sup>
<b>Mechanical</b> <sup>(1)</sup>				
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 <sup>2</sup>
Charpy Impact Strength, notched	0°C	ISO 179-1/1eA	3	kJ/m <sup>2</sup>
<b>Thermal</b>				
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**

<sup>(1)</sup> Measured on 4 mm thick injection moulded specimens

## 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.