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/m³
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/m²
Charpy Impact Strength, notched	0°C	ISO 179-1/1eA	3	kJ/m²
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.

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