101-NA00

Product Technical Information

Polypropylene – Homopolymer

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

Applications

- Non-pressure pipes and fittings (for drainage and sewerage, soil & waste,…)
- Sheet extrusion
- Blow moulding

Benefits and Features

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

Properties	Conditions	Test Methods	Values	Units
Physical				
Density		ISO 1183	905	kg/m^3
Rheological				
Melt Flow Rate	230°C/2.16Kg	ISO 1133-1	0.55	g/10min
Mechanical				
Tensile Modulus	23°C, 50 mm/min	ISO 527-1,-2	1600	MPa
Tensile Strain at yield	23°C, 50 mm/min	ISO 527-1,-2	10	%
Tensile Stress at yield	23°C, 50 mm/min	ISO 527-1,-2	37	MPa
Flexural Modulus	23°C	ISO 178	1500	MPa
Charpy Impact Strength, notched	0°C, method 1eA	ISO 179-1	3	kJ/m²
Charpy Impact Strength, notched	23°C, method 1eA	ISO 179-1	10	kJ/m²
Thermal				
Melting Point		ASTM D3418	162	°C
Oxidation Induction Time (OIT)	200°C	ISO 11357-6	> 30	min

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".

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