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

500-NA01

Product Technical Information

Polypropylene – Impact Copolymer

500-NA01 is a low melt flow rate impact copolymer for demanding industrial applications. It offers an enhanced impact strength while keeping a high stiffness. This nucleated grade also allows a faster cooling and has a good long term stability.

Applications

- Corrugated pipes / conduit pipes
- Twin-wall sheets
- Fittings
- Sheets for thermforming
- Injection moulding

Benefits and Features

- Improved impact resistance (while keeping a high stiffness)
- Very low gel content
- Superior processability

Properties		Test Methods	Values	Units
Physical				
Melt Flow Rate	230ºC/2.16kg	ISO 1133	1.5	g/10min
Mechanical				
Flexural Modulus	@23ºC	ISO 178	1300	MPa
Tensile Strength	@Yield	ISO 527-1,-2	25	
Izod Impact Strength, notched	@23ºC	ISO 180/1A	>50	kJ/m²
	@-20ºC	ISO 180/1A	10	kJ/m²
Charpy Impact Strength, notched	@23ºC	ISO 179/1eA	>50	kJ/m²
	@-20ºC	ISO 179/1eA	10	kJ/m²

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Thermal

Melting Point		ISO 11357-3	166	ºC
Vicat Softening Temperature	@10 N	ISO 306/A	154	ºC
HDT	@0.45 MPa	ISO 75/B	95	ºC
Oxidation Induction Time (OIT)	@ 200ºC	EN 728	> 8	min

- Data should not be used for specification work

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 require global product registrations and notifications for chemical inventory listings, or for use in food contact or medical devices. For further information, send an email to psnohreg@ineos.com. Unless specifically indicated, the products mentioned herein are not suitable for applications in the medical or pharmaceutical sector.

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 Material Safety Data Sheet (MSDS) that may be obtained from the website www.ineospolyolefins.com . Before using any material, a customer is advised to consult the MSDS for the product under consideration for use.

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