



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	230°C/2.16kg	ISO 1133	1.5	g/10min
Mechanical				
Flexural Modulus	@23°C	ISO 178	1300	MPa
Tensile Strength	@Yield	ISO 527-1,-2	25	
Izod Impact Strength, notched	@23°C	ISO 180/1A	>50	kJ/m ²
	@-20°C	ISO 180/1A	10	kJ/m ²
Charpy Impact Strength, notched	@23°C	ISO 179/1eA	>50	kJ/m ²
	@-20°C	ISO 179/1eA	10	kJ/m ²



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Thermal

Melting Point		ISO 11357-3	166	°C
Vicat Softening Temperature	@10 N	ISO 306/A	154	°C
HDT	@0.45 MPa	ISO 75/B	95	°C
Oxidation Induction Time (OIT)	@ 200°C	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.