



400-NA01

Product Technical Information

Polypropylene – Impact Copolymer

Benefits & Features

400-NA01 is a nucleated low melt flow rate, very high impact copolymer for demanding industrial applications. This nucleated grade allows a faster cooling and excellent dimensional stability. It offers a superior balance of stiffness and impact strength and low gel content compared to competitive impact copolymers of similar melt flow rate.

- Improved impact / stiffness balance
- Very low gel content
- Superior surface quality
- Superior processability

Applications

- Corrugated sheet (twin walled sheet)
- Corrugated pipe and fittings
- Sheets for thermforms
- Injection moulding

Properties	Conditions	Test Methods	Values	Units
Physical				
Melt Flow Rate	230°C/2.16Kg	ISO 1133-1	1.5	g/10min
Mechanical				
Flexural Modulus	23°C	ISO 178	1300	MPa
Tensile Strength at Yield	23°C	ISO 527-1,-2	27	MPa
Izod Impact Strength, notched	23°C	ISO 180/A	45	KJ/m2
Izod Impact Strength, notched	-20°C	ISO 180/A	7.5	KJ/m2
Charpy Impact Strength, notched	23°C	ISO 179-1/1eA	50	KJ/m2
Charpy Impact Strength, notched	-20°C	ISO 179-1/1eA	8	KJ/m2
Thermal				
Melting Point		ASTM D 3417	165	°C
Heat Deflection Temperature	0.45 MPa	ISO 75-2	91	°C
Vicat Softening Temperature	10N	ISO306/A50	154	°C
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.