



401-NA01

Product Technical Information

Polypropylene – Impact Copolymer

401-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.

Applications

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

Benefits and Features

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

Properties		Test Methods	Values	Units
Physical				
Melt Flow Rate	230°C/2.16kg	ISO 1133	1.2	g/10min
Mechanical				
Flexural Modulus	@ 23°C	ISO 178	1300	MPa
Tensile Strength	@ Yield	ISO 527-1,-2	27	MPa
Izod Impact Strength, Notched	@ +23°C	ISO 180/1A	45	kJ/m ²
	@ -20°C	ISO 180/1A	7.5	kJ/m ²
Charpy Impact Strength, Notched	@ +23°C	ISO 179/1eA	50	kJ/m ²
	@ -20°C	ISO 179/1eA	8	kJ/m ²

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Thermal

Melting Point		ASTM D 3417	165	°C
Vicat Softening Temperature	@ 10 N	ISO 306/A	154	°C
HDT	@ 0.45 MPa	ISO 75/B	91	°C

- Data should not be used for specification work

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