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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	230ºC/2.16kg	ISO 1133	1.2	g/10min
Mechanical				
Flexural Modulus	@ 23ºC	ISO 178	1300	MPa
Tensile Strength	@ Yield	ISO 527-1,-2	27	MPa
Izod Impact Strength, Notched	@ +23ºC	ISO 180/1A	45	kJ/m²
	@ -20ºC	ISO 180/1A	7.5	kJ/m²
Charpy Impact Strength, Notched	@ +23ºC	ISO 179/1eA	50	kJ/m²
	@ -20ºC	ISO 179/1eA	8	kJ/m²

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Thermal

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

- Data should not be used for specification work

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@ieos.com. Unless specifically indicated, the products mentioned herein are not suitable for applications in the medical or pharmaceutical sector.

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