

Technical Data Sheet

P40CN-C40

Copolymer Polypropylene Filled with Calcium Carbonate

Nirumand Polymer



Nirumand Polymer Co.
Filled & Reinforced Engineering Plastics

Product Description

P40CN-C40 is copolymer polypropylene filled with 40% calcium carbonate offering better mechanical properties, dimensional stability, suitable stiffness, impact resistance, good thermal and chemical resistance. This compound is used in home appliance industry, electrical goods, automotive applications, housewares and other utility products. This grade is designed to be processed in conventional injection molding process.

General Properties

Material Status • Commercial: Active

Forms • Pellets

Processing Method • Injection molding

Color • Natural

Physical Properties	Value	Unit	Test Method
Density	1.22	gr/cm ³	ISO 1183
Melt Mass-flow Rate (MFR) (230°C/2.16 kg)	7	gr/10 min	ASTM D1238
Mechanical Properties	Value	Unit	Test Method
Tensile Strength@yield	17	MPa	ISO 527
Tensile Strength@Break	16	MPa	ISO 527
Elongation@Break	15	%	ISO 527
Flexural Modulus	1500	MPa	ASTM D790
Impact	Value	Unit	Test Method
Notched Izod Impact (23°C)	≥7	kJ/m ²	ISO 180
Notched charpy Impact (23°C)	kJ/m ²	ISO 179
Hardness	Value	Unit	Test Method
Durometer Hardness	70	Shore D	ASTM D2240

◆ Values shown are average & are not to be considered as product specifications.

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