

Technical Data Sheet

P40CN-H40

Homopolymer Polypropylene Filled with Calcium Carbonate

Nirumand Polymer



Nirumand Polymer Co.
Filled & Reinforced Engineering Plastics

Product Description

P40CN-H40 is virgin homopolymer polypropylene filled with 40% calcium carbonate offering better mechanical properties, dimensional stability, suitable stiffness, impact resistance, good heat 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	1.25	gr/cm ³	ISO 1183
Melt Mass-flow Rate (MFR) (230°C/2.16 kg)	10	gr/10 min	ASTM D1238
Mechanical Properties	Value	Unit	Test Method
Tensile Strength@yield	≥ 19	MPa	ISO 527
Tensile Strength@Break	≥ 17	MPa	ISO 527
Elongation@Break	≥ 20	%	ISO 527
Elastic Modulus	MPa	ISO 527
Flexural Modulus	≥ 1900	MPa	ASTM D790
Impact	Value	Unit	Test Method
Notched Izod Impact (23°C)	4	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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