

Technical Data Sheet

P40CN-H50R-4277

Homopolymer Polypropylene Filled with Calcium Carbonate

Nirumand Polymer



Nirumand Polymer Co.
Filled & Reinforced Engineering Plastics

Product Description

P40CN-H50R-4277 is homopolymer polypropylene filled with 40% calcium carbonate. This compound is used in 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)	Min 10	gr/10 min	ASTM D1238

Mechanical Properties	Value	Unit	Test Method
Tensile Strength@yield	16	MPa	ISO 527
Tensile Strength@Break	14	MPa	ISO 527
Elongation@Break	15	%	ISO 527
Flexural Modulus	1600±300	MPa	ASTM D790

Impact	Value	Unit	Test Method
Notched Izod Impact (23°C)	2.7	kJ/m ²	ISO 180
Notched charpy Impact (23°C)	kJ/m ²	ISO 179

Hardness	Value	Unit	Test Method
Durometer Hardness	Shore D	ASTM D2240

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

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