

## Technical Data Sheet

# P50CN-C30R-4634

Copolymer Polypropylene Filled with Calcium Carbonate

## Nirumand Polymer



Nirumand Polymer Co.  
Filled & Reinforced Engineering Plastics

### Product Description

P50CN-C30R-4634 is recycled copolymer polypropylene filled with 50% calcium carbonate offering good stiffness, dimensional stability, good thermal and chemical resistance. This compound is used in different applications. This grade is designed to be processed in injection molding processes.

### General Properties

Material Status • Commercial: Active

Forms • Pellets

Processing Method • Injection molding

Color • Natural

Physical Properties	Value	Unit	Test Method
Density	1.35	gr/cm <sup>3</sup>	ISO 1183
Melt Mass-flow Rate (MFR) (230°C/2.16 kg)	6	gr/10 min	ASTM D1238

Mechanical Properties	Value	Unit	Test Method
Tensile Strength@yield	≥ 18	MPa	ISO 527
Tensile Strength@Break	≥ 14	MPa	ISO 527
Elongation@Break	≥ 25	%	ISO 527
Flexural Modulus	≥ 1300	MPa	ASTM D790

Impact	Value	Unit	Test Method
Notched Izod Impact (23°C)	≥ 6	kJ/m <sup>2</sup>	ISO 180
Notched charpy Impact (23°C)	.....	kJ/m <sup>2</sup>	ISO 179

Hardness	Value	Unit	Test Method
Durometer Hardness	68	Shore D	ASTM D2240

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

\* This value can be varied in the range of ±15%.

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