

Technical Data Sheet



Nirumand Polymer Co.
Filled & Reinforced Engineering Plastics

NIRUCALCIT-H50

Homopolymer Polypropylene Filled with Calcium Carbonate

Nirumand Polymer

Product Description

NIRUCALCIT-H50 is homopolymer polypropylene filled with calcium carbonate with increased stiffness and better dimensional stability. This grade features medium melt flow index and excellent filler dispersion in polymer resin. This compound is used in garden furniture, home appliance industries, automotive applications, toys, 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	•White

Properties	Value	Unit	Test Method
Density	1.99	gr/cm ³	ISO 1183
Filler Content	82	%	ISO 3451/1
Dispersion	Excellent	...	Internal
Moisture	≤ 0.25	%	ASTM D570

Special Characteristics

Appropriate miscibility with base resin

The excellent dispersion of the filler in the matrix

Medium melt flow index

Increase of productivity

Decrease product cost

Increase stiffness and dimensional stability of finished product

White pigment saving

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

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