

Technical Data Sheet

P40CUW-H60-4510

Homopolymer Polypropylene Filled with Calcium Carbonate

Nirumand Polymer



Nirumand Polymer Co.
Filled & Reinforced Engineering Plastics

Product Description

P40CUW-H60-4510 is homopolymer polypropylene filled with 40% calcium carbonate offering good stiffness and toughness balance, good thermal and chemical resistance. This compound is used in home appliance industry, electrical goods, 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 • Ultra White

Physical Properties	Value	Unit	Test Method
Density	1.23	gr/cm ³	ISO 1183
Melt Mass-flow Rate (MFR) (230°C/2.16 kg)	20	gr/10 min	ASTM D1238

Mechanical Properties	Value	Unit	Test Method
Tensile Strength@yield	≥ 19	MPa	ISO 527
Tensile Strength@Break	MPa	ISO 527
Elongation@Break	≥ 25	%	ISO 527
Elastic Modulus	MPa	ISO 527
Flexural Modulus	1800	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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