

Technical Data Sheet

P50TW-C40-4348/1

Copolymer Polypropylene Filled with Talcum Powder

Nirumand Polymer



Nirumand Polymer Co.
Filled & Reinforced Engineering Plastics

Product Description

P50TW-C40-4348/1 is copolymer polypropylene filled with 50% talcum powder offering better mechanical properties, toughness, dimensional stability, stiffness, good thermal and chemical resistance. This compound is used in appliance industry, automotive applications, electrical goods, housewares and other utility products. This grade is designed to be processed in conventional injection molding techniques.

General Properties

Material Status • Commercial: Active

Forms • Pellets

Processing Method • Injection molding

Color • White

Physical Properties	Value	Unit	Test Method
Density	1.35	gr/cm ³	ISO 1183
Melt Mass-flow Rate (MFR) (230°C/2.16 kg)	11	gr/10 min	ASTM D1238
Shrinkage	...	%	Internal
Mechanical Properties	Value	Unit	Test Method
Tensile Strength@yield	13	MPa	ISO 527
Tensile Strength@Break	12	MPa	ISO 527
Elongation@Break	10	%	ISO 527
Flexural Modulus	1900	MPa	ASTM D790
Impact	Value	Unit	Test Method
Notched Izod Impact (23°C)	≥ 7	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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