

Technical Data

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P50TN-H40

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Homopolymer Polypropylene Filled with Talcum Powder

Nirumand Polymer

Nirumand Polymer Co.
Filled & Reinforced Engineering Plastics

Product Description

P50TN-H40 is homopolymer polypropylene filled with 50% Talc by better mechanical properties, dimensional stability, stiffness, good heat 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	• Natural

Physical Properties	Value	Unit	Test
Density	1.5	gr/cm ³	ISO 1183
Melt Mass-flow Rate (MFR) (230°C/2.16 kg)	9	gr/10 min	ISO 1133
Shrinkage	1	%	ASTM D955

Mechanical Properties	Value	Unit	Test
Tensile Strength@yield	17.5	Mpa	ISO 527
Tensile Strength@Break	17	Mpa	ISO 527
Elongation@Break	5.5	%	ISO 527
Elastic Modulus	2500	Mpa	ISO 527
Flexural Modulus	Mpa	ISO 178

Impact	Value	Unit	Test
Notched Izod Impact (23°C)	2.8	kJ/m ²	ISO 180
Notched charpy Impact (23°C)	kJ/m ²	ISO 179

Hardness	Value	Unit	Test
Durometer Hardness	70	Shore D	ASTM D2240

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

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