

Technical Data Sheet



P50TN-H40

Polypropylene Filled with Talcum Powder

Nirumand Polymer

Nirumand Polymer Co.
Filled & Reinforced Engineering Plastics

Product Description

P50TN-H40 is polypropylene filled with 50% talcum powder offering better mechanical properties, 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 process.

General Properties

Material Status • Commercial: Active

Forms • Pellets

Processing Method • Injection molding

Color • Natural

Physical Properties	Value	Unit	Test Method
Density	1.45	gr/cm ³	ISO 1183
Melt Mass-flow Rate (MFR) (230°C/2.16 kg)	6	gr/10 min	ASTM D1238
Shrinkage	0.8	%	ASTM D955

Mechanical Properties	Value	Unit	Test Method
Tensile Strength@yield	15	MPa	ISO 527
Tensile Strength@Break	13	MPa	ISO 527
Elongation@Break	5	%	ISO 527
Elastic Modulus	MPa	ISO 527
Flexural Modulus	3200	MPa	ASTM D790

Impact	Value	Unit	Test Method
Notched Izod Impact (23°C)	3	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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