

Technical Data sheet

P40TN-H40

Homopolymer Polypropylene Filled with Talcum Powder

Nirumand Polymer



Nirumand Polymer Co.
Filled & Reinforced Engineering Plastics

Product Description

P40TN-H40 is homopolymer polypropylene filled with 40% talcum powder by better mechanical properties, better dimensional stability, stiffness, good heat and chemical resistance. This compound is used in home 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 Method
Density	1.23	gr/cm ³	ISO 1183
Melt Mass-flow Rate (MFR) (230°C/2.16 kg)	8	gr/10 min	ISO 1133
Shrinkage	%	Internal

Mechanical Properties	Value	Unit	Test Method
Tensile Strength@yield	≥ 19	Mpa	ISO 527
Tensile Strength@Break	Mpa	ISO 527
Elongation@Break	7	%	ISO 527
Flexural Modulus	2500	Mpa	ISO 178

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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