

Technical Data sheet



P40TN-C36

Copolymer Polypropylene Filled with Talcum Powder

Nirumand Polymer

Nirumand Polymer Co.
Filled & Reinforced Engineering Plastics

Product Description

P40TN-C36 is copolymer polypropylene filled with 40% talcum powder offering better mechanical properties, impact resistance, 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 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	1.23	gr/cm ³	ISO 1183
Melt Mass-flow Rate (MFR) (230°C/2.16 kg)	6	gr/10 min	ASTM D1238
Shrinkage	1-1.2	%	Internal

Mechanical Properties	Value	Unit	Test Method
Tensile Strength @ yield	≥ 17	MPa	ISO 527
Tensile Strength @ Break	15	MPa	ISO 527
Elongation @ Break	≥ 15	%	ISO 527
Flexural Modulus	2000	MPa	ASTM D790

Impact	Value	Unit	Test Method
Notched Izod Impact (23°C)	≥ 8	kJ/m ²	ISO 180
Notched charpy Impact (23°C)	kJ/m ²	ISO 179

Hardness	Value	Unit	Test Method
Durometer Hardness	66	Shore D	ASTM D2240

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

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