

Technical Data Sheet



P30TN-C40

Comopolymer Polypropylene Filled with Talcum Powder

Nirumand Polymer

Nirumand Polymer Co.
Filled & Reinforced Engineering Plastics

Product Description

P30TN-C40 is comopolymer polypropylene filled with 30% Talc powder offering good mechanical properties, impact resistance, stiffness, good thermal and chemical resistance. This compound is used in automotive applications, appliance industry, 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	1.17	gr/cm ³	ISO 1183
Melt Mass-flow Rate (MFR) (230°C/2.16 kg)	7	gr/10 min	ASTM D1238
Shrinkage	1.2	%	ASTM D955

Mechanical Properties	Value	Unit	Test Method
Tensile Strength@yield	≥ 20	MPa	ISO 527
Tensile Strength@Break	≥ 18	MPa	ISO 527
Elongation@Break	10	%	ISO 527
Elastic Modulus	MPa	ISO 527
Flexural Modulus	1900	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	70	Shore D	ASTM D2240

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

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