

Technical Data Sheet

P20TN-C40

Copolymer Polypropylene Filled with Talcum Powder

Nirumand Polymer



Nirumand Polymer Co.
Filled & Reinforced Engineering Plastics

Product Description

P20TN-C40 is virgin copolymer polypropylene filled with 20% talc offering better impact resistance, toughness, good mechanical properties, good thermal and chemical resistance. This compound is used in appliance industry, automotive applications, 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	1.05	gr/cm ³	ISO 1183
Melt Mass-flow Rate (MFR) (230°C/2.16 kg)	8	gr/10 min	ASTM D1238
Shrinkage	1.2-1.3	%	ASTM D955

Mechanical Properties	Value	Unit	Test
Tensile Strength@yield	≥ 19	MPa	ISO 527
Tensile Strength@Break	≥ 16	MPa	ISO 527
Elongation @ Break	≥ 25	%	ISO 527
Elastic Modulus	MPa	ISO 527
Flexural Modulus	1300	MPa	ASTM D790

Impact	Value	Unit	Test Method
Notched Izod Impact (23°C)	9	kJ/m ²	ISO 180
Notched charppy Impact (23°C)	kJ/m ²	ISO 179

Hardness	Value	Unit	Test Method
Durometer Hardness	67	Shore D	ASTM D2240

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

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