

Technical Data Sheet

P30TB-C40R

Copolymer Polypropylene Filled with Talcum Powder

Nirumand Polymer



Nirumand Polymer Co.
Filled & Reinforced Engineering Plastics

Product Description

P30TB-C40R is recycled copolymer polypropylene filled with 30% talcum powder by better mechanical properties, dimensional stability, stiffness, good heat and chemical resistance. This compound is used in automotive applications, appliance industry, 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 •Black

Physical Properties	Value	Unit	Test Method
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Density	1.13	gr/cm ³	ISO 1183
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Melt Mass-flow Rate (MFR) (230°C/2.16 kg)	9	gr/10 min	ASTM D1238
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Shrinkage	1.2-1.3	%	Internal
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Mechanical Properties	Value	Unit	Test Method
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Tensile Strength@yield	> 16	Mpa	ISO 527
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Tensile Strength@Break	> 14	Mpa	ISO 527
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Elongation@Break	> 20	%	ISO 527
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Elastic Modulus	Mpa	ISO 527
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Flexural Modulus	1700	Mpa	ISO 178
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Impact	Value	Unit	Test Method
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Notched Izod Impact (23°C)	9	kJ/m ²	ISO 180
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Notched charpy Impact (23°C)	kJ/m ²	ISO 179
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Hardness	Value	Unit	Test Method
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Durometer Hardness	68	Shore D	ISO 868
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◆ Values shown are average & are not to be considered as product specifications.

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