

Technical Data Sheet

P30GB-C40R

Copolymer Polypropylene Reinforced with Glass Fiber

Nirumand Polymer



Nirumand Polymer Co.
Filled & Reinforced Engineering Plastics

Product Description

P30GB-C40R is recycled copolymer polypropylene reinforced with 30% glass fiber. It provides a balance of toughness and mechanical properties, stiffness, surface hardness, better dimensional stability, good thermal and chemical resistance. This compound is used in appliance industry, automotive applications, electrical goods, 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 • Black

Physical Properties	Value	Unit	Test Method
Density	1.12	gr/cm ³	ISO 1183
Melt Mass-flow Rate (MFR) (230°C/2.16 kg)	...	gr/10 min	ASTM D1238
Shrinkage	≤ 0.2	%	Internal
Mechanical Properties	Value	Unit	Test Method
Tensile Strength@yield	50	MPa	ISO 527
Tensile Strength@Break	50	MPa	ISO 527
Elongation @ Break	6	%	ISO 527
Flexural Modulus	4000	MPa	ASTM D790
Impact	Value	Unit	Test Method
Notched Izod Impact (23°C)	≥ 10	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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