

## Technical Data Sheet

### P22G22TB-P8731

Copolymer Polypropylene Reinforced with Talcum Powder & Glass |

## Nirumand Polymer



Nirumand Polymer Co.  
Filled & Reinforced Engineering Plastics

#### Product Description

P22G22TB-P8731 is recycled copolymer polypropylene reinforced with 44% talc and glass fiber offering high mechanical properties, good stiffness and dimensional stability and good thermal resistance. This compound is used in automotive applications 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	1.3	gr/cm <sup>3</sup>	ISO 1183
Melt Mass-flow Rate (MFR) (230°C/2.16 kg)	....	gr/10 min	ASTM D1238
Shrinkage	....	%	Internal

Mechanical Properties	Value	Unit	Test Method
Tensile Strength@yield	50	MPa	ISO 527
Tensile Strength@Break	....	MPa	ISO 527
Elongation@Break	5	%	ISO 527
Flexural Strength	≥ 70	MPa	ASTM D790
Flexural Modulus	5500	MPa	ASTM D790

Impact	Value	Unit	Test Method
Notched Izod Impact (23°C)	≥ 8.5	kJ/m <sup>2</sup>	ISO 180
Notched charpy Impact (23°C)	....	kJ/m <sup>2</sup>	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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