

Technical Data Sheet

P30MB-2032

Homopolymer Polypropylene Filled with Mineral Filler

Nirumand Polymer



Nirumand Polymer Co.
Filled & Reinforced Engineering Plastics

Product Description

P30MB-2032 is homopolymer polypropylene filled with 30% mineral powder offering appropriate balance of impact strength and stiffness, good thermal and chemical 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	1.13	gr/cm ³	ISO 1183
Melt Mass-flow Rate (MFR) (230°C/2.16 kg)	10	gr/10 min	ASTM D1238
Shrinkage	1-1.25	%	Internal

Mechanical Properties	Value	Unit	Test Method
Tensile Strength@yield	≥ 16	MPa	ISO 527
Tensile Strength@Break	MPa	ISO 527
Elongation@Break	> 15	%	ISO 527
Flexural Modulus	≥ 1400	MPa	ASTM D790

Impact	Value	Unit	Test Method
Notched Izod Impact (23°C)	5	kJ/m ²	ISO 180
Notched charpy Impact (23°C)	kJ/m ²	ISO 179

Hardness	Value	Unit	Test Method
Durometer Hardness	67	Shore D	ISO 868

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

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