

Technical Data Sheet

P40MB-H40R-4374

Homopolymer Polypropylene Filled with Mineral Filler

Nirumand Polymer



Nirumand Polymer Co.
Filled & Reinforced Engineering Plastics

Product Description

P40MB-H40R-4374 is recycled homopolymer polypropylene filled with 40% mineral powder. This grade combines good balance of toughness and stiffness, dimensional stability, medium flow, good thermal and chemical resistance. This compound can be 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	1.23	gr/cm ³	ISO 1183
PE content	≤6	%	ISO 11357-3
CaCO ₃ content	≤20	%	Internal
Melt Mass-flow Rate (MFR) (230°C/2.16 kg)	9	gr/10 min	ASTM D1238

Mechanical Properties	Value	Unit	Test Method
Tensile Strength@Break	≥ 13	MPa	ISO 527
Elongation@Break	5	%	ISO 527
Flexural Modulus	≥ 1800	MPa	ASTM D790

Impact	Value	Unit	Test Method
Notched Izod Impact (23°C)	≥ 4	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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