

Technical Data Sheet

P40MB-H40R

Polypropylene Filled with Mineral Filler

Nirumand Polymer



Nirumand Polymer Co.
Filled & Reinforced Engineering Plastics

Product Description

P40MB-H40R is mineral filled polypropylene. 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	1.3	gr/cm ³	ISO 1183
Melt Mass-flow Rate (MFR) (230°C/2.16 kg)	9*	gr/10 min	ASTM D1238
Mechanical Properties	Value	Unit	Test Method
Tensile Strength @ Yield	16	MPa	ISO 527
Tensile Strength @ Break	14	MPa	ISO 527
Elongation @ Break	≥ 20	%	ISO 527
Flexural Modulus	2000	MPa	ASTM D790
Impact	Value	Unit	Test Method
Notched Izod Impact (23°C)	4.5	kJ/m ²	ISO 180
Notched Izod Impact (-20°C)	kJ/m ²	ISO 180
Hardness	Value	Unit	Test Method
Durometer Hardness	62	Shore D	ASTM D2240

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

* This value can be varied in the range of ±20%.

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