

Technical Data Sheet

P20TB-H40-2441

Homopolymer Polypropylene Filled with Talcum Powder

Nirumand Polymer



Nirumand Polymer Co.
Filled & Reinforced Engineering Plastics

Product Description

P20TB-H40-2441 is homopolymer polypropylene filled with 20% talc powder offering better mechanical properties, dimensional stability, stiffness, good thermal and chemical resistance. This compound is used in automotive applications, appliance industry, 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	1.04	gr/cm ³	ISO 1183
Melt Mass-flow Rate (MFR) (230°C/2.16 kg)	10	gr/10 min	ASTM D1238
Shrinkage	%	Internal
Mechanical Properties	Value	Unit	Test Method
Tensile Strength @ Yield	28	MPa	ISO 527
Tensile Strength @ Break	25	MPa	ISO 527
Elongation @ Break	≥ 15	MPa	ISO 527
Flexural Modulus	2100	MPa	ASTM D790
Impact	Value	Unit	Test Method
Notched Izod Impact (23°C)	3.5	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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