

## Technical Data Sheet

### P20TB-H46R

Homopolymer Polypropylene Filled with Talcum Powder

## Nirumand Polymer



Nirumand Polymer Co.  
Filled & Reinforced Engineering Plastics

#### Product Description

P20TB-H46R is homopolymer polypropylene filled with 20% talc offering an appropriate balance of toughness and mechanical properties, dimensional stability, stiffness, good thermal and chemical resistance. This compound is used in automotive applications, appliance industry 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 <sup>3</sup>	ISO 1183
Melt Mass-flow Rate (MFR) (230°C/2.16 kg)	8	gr/10 min	ASTM D1238
Shrinkage	1.4	%	ASTM D955

Mechanical Properties	Value	Unit	Test Method
Tensile Strength@yield	17	MPa	ISO 527
Tensile Strength@Break	16	MPa	ISO 527
Elongation@Break	24	%	ISO 527
Elastic Modulus	....	MPa	ISO 527
Flexural Modulus	1300	MPa	ASTM D790

Impact	Value	Unit	Test Method
Notched Izod Impact (23°C)	8	kJ/m <sup>2</sup>	ISO 180
Notched Izod Impact (-20°C)	3.5	kJ/m <sup>2</sup>	ISO 180

Hardness	Value	Unit	Test Method
Durometer Hardness	63	Shore D	ASTM D2240

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

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