

## Technical Data Sheet



### P20TB-H20-4872

Homopolymer Polypropylene Filled with Talcum Powder

## Nirumand Polymer

Nirumand Polymer Co.  
Filled & Reinforced Engineering Plastics

#### Product Description

P20TB-H20-4872 is homopolymer polypropylene filled with 20% talcum powder offering better mechanical properties, dimensional stability, stiffness, good thermal and chemical resistance. This compound is used in appliance industry, automotive applications, electrical goods, housewares and other utility products. This grade is designed to be processed in extrusion techniques.

#### General Properties

Material Status •Commercial: Active

Forms •Pellets

Processing Method •Extrusion

Color •Black

Physical Properties	Value	Unit	Test Method
Density	...	gr/cm <sup>3</sup>	ISO 1183
Melt Mass-flow Rate (MFR) (230°C/2.16 kg)	3.5	gr/10 min	ASTM D1238
Shrinkage	...	%	Internal
Mechanical Properties	Value	Unit	Test Method
Tensile Strength@yield	20	MPa	ISO 527
Tensile Strength@Break	16	MPa	ISO 527
Elongation@Break	≥150	%	ISO 527
Flexural Modulus	1300±200	MPa	ASTM D790
Impact	Value	Unit	Test Method
Notched Izod Impact (23°C)	4	kJ/m <sup>2</sup>	ISO 180
Notched charpy Impact (23°C)	...	kJ/m <sup>2</sup>	ISO 179
Hardness	Value	Unit	Test Method
Durometer Hardness	...	Shore D	ASTM D2240

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

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