

## Technical Data Sheet

### P20WN-3045

Homopolymer Polypropylene Reinforced with Wollastonite

## Nirumand Polymer



Nirumand Polymer Co.  
Filled & Reinforced Engineering Plastics

#### Product Description

P20WN-3045 is homopolymer polypropylene reinforced with 20% Wollastonite. It provides high mechanical properties, stiffness, surface hardness, better dimensional stability, good impact resistance, good thermal and chemical resistance. This compound is used in automotive applications. This grade is designed to be processed in conventional injection molding techniques.

#### General Properties

Material Status	• Commercial: Active
Forms	• Pellets
Processing Method	• Injection molding
Color	• Natural

Physical Properties	Value	Unit	Test Method
Melt Mass-flow Rate (MFR) (230°C/2.16 kg)	9	gr/10 min	ASTM D1238
Shrinkage	...	%	Internal

Mechanical Properties	Value	Unit	Test Method
Tensile Strength@Yield	≥ 18	Mpa	ISO 527
Elongation @ Yield	8	%	ISO 527
Flexural Modulus	1500	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 180

Hardness	Value	Unit	Test Method
Durometer Hardness	65	Shore D	ASTM D2240

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

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