

Technical Data Sheet

P20WN - 3045

Polypropylene Reinforced with Wollastonite

Nirumand Polymer



Nirumand Polymer Co.
Filled & Reinforced Engineering Plastics

Product Description

P20WN-3045 is a combination of homopolymer and copolymer 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	1-1.2	%	ASTM D955

Mechanical Properties	Value	Unit	Test Method
Tensile Strength@Yield	23	Mpa	ISO 527
Elongation @ Yield	8	%	ISO 527
Flexural Modulus	2000	Mpa	ASTM D790

Impact	Value	Unit	Test Method
Notched Izod Impact (23°C)	5	kJ/m ²	ISO 180
Notched charpy Impact (23°C)	kJ/m ²	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.

Web-site: www.npolymer.com
Address: Abbas abad Industrial Zone-Tehran-Iran

E-mail: Sales@npolymer.com
Tel: (+9821)35000234 Fax: (+9821)43850755