

## Technical Data Sheet



# P20TC-1618

## Nirumand Polymer

Nirumand Polymer Co.  
Filled & Reinforced Engineering Plastics

### Product Description

P20TC-1618 is polypropylene filled with 20% mineral powder offering good scratch resistance, impact strength, dimensional stability, stiffness, good heat and chemical resistance. This compound is used for indoor parts in automotive applications such as interior trim and other utility products. This grade is designed to be processed in conventional injection molding process.

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)	12	gr/10 min	ASTM D1238
Shrinkage	1.2	%	ASTM D955
Mechanical Properties	Value	Unit	Test Method
Tensile Strength@ yield	23	MPa	ISO 527
Elongation @ Break	30	%	ISO 527
Flexural Strength	35	MPa	ISO 178
Flexural Modulus	1800	MPa	ASTM D790
Impact	Value	Unit	Test Method
Notched Izod Impact (23°C)	70	J/m	ASTM D256
Notched Izod Impact (-10°C)	40	J/m	ASTM D256
Hardness	Value	Unit	Test Method
Durometer Hardness	62	Shore D	ASTM D2240
Scratch Resistance (10N)	OK	...	Internal Method
Appearance	Value	Unit	Test Method
Colorimetry	< 0.5	ΔE	according to Plasco kar sample

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

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