

## Technical Data Sheet



# P20TC-1857

# Nirumand Polymer

Nirumand Polymer Co.  
Filled & Reinforced Engineering Plastics

### Product Description

P20TC-1857 is polypropylene toughened and filled with EPDM and 20% mineral powder, respectively. This grade has outstanding properties such as high flow, excellent scratch resistance, high impact strength, appropriate dimensional stability and stiffness, good thermal and chemical resistance and UV stabilization. This compound is used for indoor parts in automotive applications especially dashboard and glove compartment.

Physical Properties	Value	Unit	Test Method
Density	1.05	gr/cm <sup>3</sup>	ISO 1183
Melt Mass-flow Rate (MFR) (230°C/2.16 kg)	20	gr/10 min	ASTM D1238
Shrinkage	1.1	%	ASTM D955
Mechanical Properties	Value	Unit	Test Method
Tensile Strength@ yield	20	MPa	ISO 527
Elongation @ Break	19	%	ISO 527
Tensile Modulus	....	MPa	ISO 527
Flexural Modulus	1630	MPa	ASTM D790
Impact	Value	Unit	Test Method
Notched Izod Impact (23°C)	29	KJ/m <sup>2</sup>	ISO 180
Notched Izod Impact (-20°C)	5.3	KJ/m <sup>2</sup>	ISO 180
Hardness	Value	Unit	Test Method
Durometer Hardness	60	Shore D	ASTM D2240
Scratch Resistance (10N)	OK	....	Internal Method
Appearance	Value	Unit	Test Method
Colorimetry	< 0.5	ΔE	according to sample

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

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