

## Technical Data Sheet



### P40TN-C40-UV

Copolymer Polypropylene Filled with Talcum Powder

## Nirumand Polymer

Nirumand Polymer Co.  
Filled & Reinforced Engineering Plastics

#### Product Description

P40TN-C40-UV is virgin copolymer polypropylene filled with 40% mineral filler offering better mechanical properties, scratch resistance, dimensional stability, stiffness, good thermal and chemical resistance and also excellent UV resistance. This compound is used in exterior and interior automotive applications. This grade designed to be processed in conventional injection molding process.

#### General Properties

Material Status •Commercial: Active

Forms •Pellets

Processing Method •Injection molding

Color •Natural

Physical Properties	Value	Unit	Test Method
Density	1.3	gr/cm <sup>3</sup>	ISO 1183
Melt Mass-flow Rate (MFR) (230°C/2.16 kg)	7	gr/10 min	ASTM D1238
Shrinkage	1-1.1	%	ASTM D955

Mechanical Properties	Value	Unit	Test Method
Tensile Strength@yield	≥ 18	MPa	ISO 527
Tensile Strength@Break	15	MPa	ISO 527
Elongation@yield	≥ 12	%	ISO 527
Elastic Modulus	.....	MPa	ISO 527
Flexural Modulus	1800	MPa	ASTM D790

Impact	Value	Unit	Test Method
Notched Izod Impact (23°C)	7	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	67	Shore D	ASTM D2240

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

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