

Technical Data Sheet

P50CN-H40R-2099

Homopolymer Polypropylene Filled with Calcium Carbonate

Nirumand Polymer



Nirumand Polymer Co.
Filled & Reinforced Engineering Plastics

Product Description

P50CN-H40R-2099 is recycled homopolymer polypropylene filled with 50% calcium carbonate offering good balance of toughness and stiffness, dimensional stability, appropriate dye adhesion, good thermal and chemical resistance. This compound is used in automotive applications especially wheel cover, and other utility products. This grade is designed to be processed in injection molding process.

General Properties

Material Status • Commercial: Active

Forms • Pellets

Processing Method • Injection molding

Color • Natural

| Physical Properties | Value | Unit | Test Method |
|---|-------|--------------------|-------------|
| Density | 1.35 | gr/cm ³ | ISO 1183 |
| Melt Mass-flow Rate (MFR) (230°C/2.16 kg) | 8 | gr/10 min | ASTM D1238 |
| Mechanical Properties | Value | Unit | Test Method |
| Tensile Strength@yield | 13 | MPa | ISO 527 |
| Tensile Strength@Break | 12 | MPa | ISO 527 |
| Elongation@Break | 4 | % | ISO 527 |
| Flexural Modulus | 1700 | MPa | ASTM D790 |
| Impact | Value | Unit | Test Method |
| Notched Izod Impact (23°C) | 4 | kJ/m ² | ISO 180 |
| Notched charpy Impact (23°C) | | kJ/m ² | ISO 179 |
| Hardness | Value | Unit | Test Method |
| Durometer Hardness | 70 | 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, Trade@npolymer.com

Tel & Fax: (+9821)35000234