

Technical Data sheet

P30TB-C40R

Copolymer Polypropylene Filled with Talcum Powder

Nirumand Polymer



Nirumand Polymer Co.
Filled & Reinforced Engineering Plastics

Product Description

P30TB-C40R is Copolymer Polypropylene filled with 30% Talc by better mechanical properties, dimensional stability, stiffness, good heat and chemical resistance. This compound is used in appliance industry, automotive applications, electrical goods, housewares and other utility products. 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 • Black

| Physical Properties | Value | Unit | Test |
|---|-------|--------------------|-----------|
| Density | 1.15 | gr/cm ³ | ISO 1183 |
| Melt Mass-flow Rate (MFR) (230°C/2.16 kg) | 6 | gr/10 min | ISO 1133 |
| Shrinkage | 1.2 | % | ASTM D955 |

| Mechanical Properties | Value | Unit | Test |
|------------------------|-------|------|---------|
| Tensile Strength@yield | > 16 | Mpa | ISO 527 |
| Tensile Strength@Break | > 14 | Mpa | ISO 527 |
| Elongation@Break | > 20 | % | ISO 527 |
| Elastic Modulus | | Mpa | ISO 527 |
| Flexural Modulus | 1700 | Mpa | ISO 178 |

| Impact | Value | Unit | Test |
|------------------------------|-------|-------------------|---------|
| Notched Izod Impact (23°C) | 7 | kJ/m ² | ISO 180 |
| Notched charpy Impact (23°C) | | kJ/m ² | ISO 179 |

| Hardness | Value | Unit | Test |
|--------------------|-------|---------|---------|
| Durometer Hardness | 68 | Shore D | ISO 868 |

◆ 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