

## Technical Data Sheet

### P20CB-H60-4066

Homopolymer Polypropylene Filled with Calcium Carbonate

## Nirumand Polymer



Nirumand Polymer Co.  
Filled & Reinforced Engineering Plastics

#### Product Description

P20CB-H60-4066 is Homopolymer polypropylene filled with 20% calcium carbonate powder offering good balance of mechanical properties and dimensional stability, stiffness, good thermal and chemical resistance. This compound is used in home appliance industry, housewares and other utility products. This grade is designed to be processed in conventional injection molding process.

#### General Properties

Material Status • Commercial: Active

Forms • Pellets

Processing Method • Injection molding

Color • Black

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)	25	gr/10 min	ASTM D1238
Shrinkage	.....	%	Internal

Mechanical Properties	Value	Unit	Test Method
Tensile Strength@yield	>25	MPa	ISO 527
Tensile Strength@Break	>23	MPa	ISO 527
Elongation@Break	>15	%	ISO 527
Flexural Modulus	1400	MPa	ASTM D790

Impact	Value	Unit	Test Method
Notched Izod Impact (23°C)	3	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	70	Shore D	ASTM D2240

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

Web-site: [www.npolymer.com](http://www.npolymer.com)

Address: Abbas abad Industrial Zone-Tehran-Iran

Email: [sales@npolymer.com](mailto:sales@npolymer.com) , [Trade@npolymer.com](mailto:Trade@npolymer.com)

Tel&Fax: (+9821)35000234