

## Technical Data Sheet

# P30GN-C40

Copolymer Polypropylene Reinforced with Glass Fiber

## Nirumand Polymer



Nirumand Polymer Co.  
Filled & Reinforced Engineering Plastics

### Product Description

P30GN-C40 is copolymer polypropylene reinforced with 30% glass fiber. It provides high impact resistance, mechanical properties, stiffness, surface hardness, better dimensional stability, good thermal 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	•Natural

Physical Properties	Value	Unit	Test Method
Density	1.2	gr/cm <sup>3</sup>	ISO 1183
Melt Mass-flow Rate (MFR) (230°C/2.16 kg)	4	gr/10 min	ASTM D1238
Shrinkage	< 0.2	%	ASTM D955

Mechanical Properties	Value	Unit	Test Method
Tensile Strength@yield	60	MPa	ISO 527
Tensile Strength@Break	60	MPa	ISO 527
Elongation @ Break	6	%	ISO 527
Elastic Modulus	.....	MPa	ISO 527
Flexural Modulus	4500	MPa	ASTM D790

Impact	Value	Unit	Test Method
Notched Izod Impact (23°C)	14	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	75	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

E-mail: [Sales@npolymer.com](mailto:Sales@npolymer.com)

Tel: (+9821)36425174-7 Fax: (+9821)36425178