

Technical Data Sheet



P-C20-3 Pipefitting

Nirumand Polymer

Nirumand Polymer Co.
Filled & Reinforced Engineering Plastics

Product Description

P-C20-3 Pipefitting is copolymer polypropylene compound with high strength, appropriate toughness and good melt flow parameters. This compound is used in pipe industry especially pipefitting production. This grade has been designed to provide suitable processing conditions to be processed in conventional injection molding techniques.

General Properties

Material Status	• Commercial: Active
Forms	• Pellets
Processing Method	• Injection
Colour	• Black

Physical Properties	Value	Unit	Test Method
Density	0.9	gr/cm ³	ISO 1183
Melt Mass-flow Rate (MFR) (230°C/2.16 kg)	2	gr/10 min	ISO 1133
Shrinkage	1.5-1.6	%	ASTM D955

Mechanical Properties	Value	Unit	Test Method
Tensile Strength @ yield	≥ 24	Mpa	ISO 527
Tensile Strength @ Break	≥ 21	Mpa	ISO 527
Elongation @ Break	≥ 100	%	ISO 527
Elastic Modulus	Mpa	ISO 527
Flexural Modulus	750	Mpa	ISO 178

Impact	Value	Unit	Test Method
Notched Izod Impact (23°C)	14	kJ/m ²	ISO 180
Notched Charpy Impact (23°C)	kJ/m ²	ISO 179

Hardness	Value	Unit	Test Method
Durometer Hardness	65	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