

Technical Data Sheet

66A30GN-869

Polyamide 66 Reinforced with Glass Fiber

Nirumand Polymer



Nirumand Polymer Co.
Filled & Reinforced Engineering Plastics

Product Description

66A30GN-869 is virgin polyamide 66 reinforced with 30% glass fiber. It provides a combination of superior mechanical properties and impact resistance, high stiffness, surface hardness, dimensional stability, appropriate abrasion, excellent thermal and chemical resistance. This compound is designed to be used in automotive applications, electrical goods, home appliance industry, 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	•Natural

Physical Properties	Value	Unit	Test Method
Density	1.35	gr/cm ³	ISO 1183
Melt Mass-flow Rate (MFR)	gr/10 min	ASTM D1238
Shrinkage	≤ 0.3	%	ASTM D955
Mechanical Properties	Value	Unit	Test Method
Tensile Strength@yield	165	MPa	ISO 527
Tensile Strength@Break	165	MPa	ISO 527
Elongation @ Break	7	%	ISO 527
Flexural Strength	250	MPa	ASTM D790
Flexural Modulus	8600	MPa	ASTM D790
Impact	Value	Unit	Test Method
Notched Izod Impact (23°C)	16	kJ/m ²	ISO 180
Notched Izod Impact (-20°C)	12	kJ/m ²	ISO 180
Hardness	Value	Unit	Test Method
Durometer Hardness	80	Shore D	ASTM D2240

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

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