

Technical Data Sheet

6A30GN-768

Polyamide 6 Reinforced with Glass Fiber

Nirumand Polymer



Nirumand Polymer Co.
Filled & Reinforced Engineering Plastics

Product Description

6A30GN-768 is virgin polyamide 6 reinforced with 30% glass fiber. It provides a combination of high mechanical properties and impact resistance, stiffness, surface hardness, dimensional stability, appropriate abrasion, good 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	1.3	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	150	MPa	ISO 527
Tensile Strength@Break	150	MPa	ISO 527
Elongation @ Break	7	%	ISO 527
Flexural Strength	210	MPa	ASTM D790
Flexural Modulus	7000	MPa	ASTM D790

Impact	Value	Unit	Test Method
Notched Izod Impact (23°C)	21	kJ/m ²	ISO 180
Notched Izod Impact (-20°C)	14	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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