

Niuk 30GP20

Polycarbonate

Shanghai Niuk New Plastic Technology Co., Ltd.

Message:

Niuk 30GP20 is a Polycarbonate (PC) material filled with 20% glass fiber. It is available in Asia Pacific.

Important attributes of Niuk 30GP20 are:

Flame Rated

Good Dimensional Stability

Heat Resistant

High Stiffness

Typical applications include:

Electrical/Electronic Applications

Housings

General Information			
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Features	Good Dimensional Stability		
	High Heat Resistance		
	High Stiffness		
Uses	Electrical Housing		
	Electrical/Electronic Applications		
Physical	Nominal Value	Unit	Test Method
Density	1.32	g/cm ³	ISO 1183
Molding Shrinkage ¹			ISO 2577
Across Flow : 3.20 mm	0.20 to 0.40	%	
Flow : 3.20 mm	0.40 to 0.60	%	
Ash Content	20	%	ISO 3451
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	90.0	MPa	ISO 527-2/50
Tensile Strain (Break)	3.0	%	ISO 527-2/50
Flexural Modulus ²	5200	MPa	ISO 178
Flexural Stress ³	135	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	9.5	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (23°C)	45	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	135	°C	ISO 75-2/A
Vicat Softening Temperature	148	°C	ISO 306/B120
Flammability	Nominal Value		Test Method
Flame Rating (1.60 mm)	HB		UL 94

NOTE	
1.	150x100x3.2 mm
2.	2.0 mm/min
3.	2.0 mm/min

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