

Niuk 20GP20

Acrylonitrile Butadiene Styrene

Shanghai Niuk New Plastic Technology Co., Ltd.

Message:

Niuk 20GP20 is an Acrylonitrile Butadiene Styrene (ABS) material filled with 20% glass fiber. It is available in Asia Pacific.

Important attributes of Niuk 20GP20 are:

Flame Rated

Good Processability

Heat Resistant

High Strength

General Information			
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Features	Good Processability		
	High Heat Resistance		
	High Strength		
Physical	Nominal Value	Unit	Test Method
Density	1.19	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)	25	g/10 min	ISO 1133
Molding Shrinkage ¹			ISO 2577
Across Flow : 3.20 mm	0.20 to 0.30	%	
Flow : 3.20 mm	0.20 to 0.30	%	
Ash Content	20	%	ISO 3451
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	90.0	MPa	ISO 527-2/50
Tensile Strain (Break)	2.0	%	ISO 527-2/50
Flexural Modulus ²	5800	MPa	ISO 178
Flexural Stress ³	110	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	8.0	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (23°C)	18	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	98.0	°C	ISO 75-2/A
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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