

Niuk 40RNG30

Polyamide 6

Shanghai Niuk New Plastic Technology Co., Ltd.

Message:

Niuk 40RNG30 is a Polyamide 6 (Nylon 6) material filled with 30% glass fiber. It is available in Asia Pacific.

Important attributes of Niuk 40RNG30 are:

Flame Rated

Flame Retardant

Corrosion Resistant

Creep Resistant

Good Toughness

Typical applications include:

Electrical/Electronic Applications

Wire & Cable

General Information	
Filler / Reinforcement	Glass Fiber,30% Filler by Weight
Additive	Flame Retardant
Features	Flame Retardant
	Good Corrosion Resistance
	Good Creep Resistance
	Good Wear Resistance
	Halogen Free
	High Heat Resistance
	High Rigidity
	Ultra High Toughness
Uses	Connectors
	Electrical/Electronic Applications
	Switches
	Wire & Cable Applications

Physical	Nominal Value	Unit	Test Method
Density	1.54	g/cm ³	ISO 1183
Molding Shrinkage - Across Flow ¹ (3.20 mm)	0.30 to 0.40	%	ISO 2577
Ash Content	30	%	ISO 3451
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	130	MPa	ISO 527-2/50
Tensile Strain (Break)	2.0	%	ISO 527-2/50
Flexural Modulus ²	7800	MPa	ISO 178
Flexural Stress ³	215	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method

Charpy Notched Impact Strength (23°C)	9.0	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (23°C)	40	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	200	°C	ISO 75-2/B
Vicat Softening Temperature	215	°C	ISO 306/B120
Flammability	Nominal Value		Test Method
Flame Rating (1.60 mm)	V-0		UL 94
NOTE			
1.	150x100x3.2 mm		
2.	2.0 mm/min		
3.	2.0 mm/min		

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