

Niuk 40RN00

Polyamide 6

Shanghai Niuk New Plastic Technology Co., Ltd.

Message:

Niuk 40RN00 is a Polyamide 6 (Nylon 6) material. It is available in Asia Pacific.

Important attributes of Niuk 40RN00 are:

Flame Rated

Flame Retardant

Corrosion Resistant

Creep Resistant

Good Toughness

Typical applications include:

Electrical/Electronic Applications

Wire & Cable

General Information			
Additive	Flame Retardant		
Features	Flame Retardant		
	Good Corrosion Resistance		
	Good Creep Resistance		
	Good Wear Resistance		
	High Heat Resistance		
	High Rigidity		
	Ultra High Toughness		
Uses	Connectors		
	Electrical/Electronic Applications		
	Switches		
	Wire & Cable Applications		
Physical	Nominal Value	Unit	Test Method
Density	1.15	g/cm ³	ISO 1183
Molding Shrinkage - Across Flow ¹ (3.20 mm)	0.80 to 1.1	%	ISO 2577
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	65.0	MPa	ISO 527-2/50
Tensile Strain (Break)	10	%	ISO 527-2/50
Flexural Modulus ²	2800	MPa	ISO 178
Flexural Stress ³	102	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	6.0	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (23°C)	80	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method

Heat Deflection Temperature			
0.45 MPa, Unannealed	170	°C	ISO 75-2/B
1.8 MPa, Unannealed	65.0	°C	ISO 75-2/A
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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