

# Niuk 20NT03

Acrylonitrile Butadiene Styrene

Shanghai Niuk New Plastic Technology Co., Ltd.

## Message:

Niuk 20NT03 is an Acrylonitrile Butadiene Styrene (ABS) material. It is available in Asia Pacific.

Important attributes of Niuk 20NT03 are:

Flame Rated

Good Stiffness

Good Toughness

Heat Resistant

Typical applications include:

Appliances

Automotive

Business/Office Goods

Electrical/Electronic Applications

Housings

General Information			
Features	Good Flow		
	Good Stiffness		
	Good Toughness		
	High Heat Resistance		
Uses	Appliances		
	Automotive Applications		
	Business Equipment		
	Cell Phones		
	Housings		
Physical	Nominal Value	Unit	Test Method
Density	1.06	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR)	10	g/10 min	ISO 1133
Molding Shrinkage <sup>1</sup>			ISO 2577
Across Flow : 3.20 mm	0.50 to 0.70	%	
Flow : 3.20 mm	0.50 to 0.70	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	52.0	MPa	ISO 527-2/50
Tensile Strain (Break)	15	%	ISO 527-2/50
Flexural Modulus <sup>2</sup>	2600	MPa	ISO 178
Flexural Stress <sup>3</sup>	80.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	11	kJ/m <sup>2</sup>	ISO 179
Charpy Unnotched Impact Strength (23°C)	75	kJ/m <sup>2</sup>	ISO 179
Thermal	Nominal Value	Unit	Test Method

Heat Deflection Temperature (1.8 MPa, Unannealed)	92.0	°C	ISO 75-2/A
Vicat Softening Temperature	106	°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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#### Recommended distributors for this material

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