

Niuk 23NT40

Polycarbonate + ABS

Shanghai Niuk New Plastic Technology Co., Ltd.

Message:

Niuk 23NT40 is a Polycarbonate + ABS (PC+ABS) material. It is available in Asia Pacific.

Important attributes of Niuk 23NT40 are:

Flame Rated

Heat Resistant

High Stiffness

Impact Resistant

Typical applications include:

Appliances

Automotive

Business/Office Goods

Electrical/Electronic Applications

Housings

General Information			
Features	High Heat Resistance		
	High Impact Resistance		
	High Stiffness		
Uses	Appliances		
	Automotive Applications		
	Business Equipment		
	Cell Phones		
	Housings		
Physical	Nominal Value	Unit	Test Method
Density	1.10	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)	30	g/10 min	ISO 1133
Molding Shrinkage ¹			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)	45	%	ISO 527-2/50
Flexural Modulus ²	2250	MPa	ISO 178
Flexural Stress ³	84.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	59	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (23°C)	No Break		ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			

0.45 MPa, Unannealed	115	°C	ISO 75-2/B
1.8 MPa, Unannealed	96.0	°C	ISO 75-2/A
Vicat Softening Temperature	114	°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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