

Niuk 10TP20

Polypropylene

Shanghai Niuk New Plastic Technology Co., Ltd.

Message:

Niuk 10TP20 is a Polypropylene material filled with 20% talc. It is available in Asia Pacific.

Important attributes of Niuk 10TP20 are:

Flame Rated

Good Dimensional Stability

Good Weather Resistance

Heat Resistant

Typical applications include:

Appliances

Automotive

Electrical/Electronic Applications

General Information			
Filler / Reinforcement	Talc,20% Filler by Weight		
Features	Good Dimensional Stability		
	Good Weather Resistance		
	High Heat Resistance		
Uses	Appliances		
	Automotive Applications		
	Electrical/Electronic Applications		

Physical	Nominal Value	Unit	Test Method
Density	1.05	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)	15	g/10 min	ISO 1133
Molding Shrinkage ¹			ISO 2577
Across Flow : 3.20 mm	1.1 to 1.3	%	
Flow : 3.20 mm	1.2 to 1.5	%	
Ash Content	20	%	ISO 3451

Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	32.0	MPa	ISO 527-2/50
Tensile Strain (Break)	20	%	ISO 527-2/50
Flexural Modulus ²	2500	MPa	ISO 178
Flexural Stress ³	40.0	MPa	ISO 178

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	3.0	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (23°C)	45	kJ/m ²	ISO 179

Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	125	°C	ISO 75-2/B

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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