

Niuk 10RR00

Polypropylene

Shanghai Niuk New Plastic Technology Co., Ltd.

Message:

Niuk 10RR00 is a Polypropylene material. It is available in Asia Pacific.

Important attributes of Niuk 10RR00 are:

Flame Rated

Heat Resistant

Impact Resistant

Typical applications include:

Electrical/Electronic Applications

Housings

General Information	
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Features	High Heat Resistance
	High Impact Resistance

Uses	Electrical Housing
	Electrical/Electronic Applications

Physical	Nominal Value	Unit	Test Method
Density	1.25	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)	5.0	g/10 min	ISO 1133
Molding Shrinkage ¹			ISO 2577
Across Flow : 3.20 mm	0.90 to 1.1	%	
Flow : 3.20 mm	1.1 to 1.3	%	

Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	30.0	MPa	ISO 527-2/50
Tensile Strain (Break)	40	%	ISO 527-2/50
Flexural Modulus ²	2800	MPa	ISO 178
Flexural Stress ³	45.0	MPa	ISO 178

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	3.5	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (23°C)	42	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)	V-0	UL 94

NOTE	
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1.	150x100x3.2 mm
2.	2.0 mm/min
3.	2.0 mm/min

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