

Niuk 80R

High Impact Polystyrene
Shanghai Niuk New Plastic Technology Co., Ltd.

Message:

Niuk 80R is a High Impact Polystyrene material. It is available in Asia Pacific.

Important attributes of Niuk 80R are:

Flame Rated
Flame Retardant
Good Processability

Typical application of Niuk 80R: Housings

General Information			
Additive	Flame Retardant		
Features	Flame Retardant		
	Good Processability		
Uses	Electrical Housing		
Physical	Nominal Value	Unit	Test Method
Density	1.17	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)	120	g/10 min	ISO 1133
Molding Shrinkage ¹			ISO 2577
Across Flow : 3.20 mm	0.30 to 0.60	%	
Flow : 3.20 mm	0.30 to 0.60	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	25.0	MPa	ISO 527-2/50
Tensile Strain (Break)	50	%	ISO 527-2/50
Flexural Modulus ²	210	MPa	ISO 178
Flexural Stress ³	44.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	10	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (23°C)	60	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	75.0	°C	ISO 75-2/A
Vicat Softening Temperature	95.0	°C	ISO 306/B120
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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