

NYLOY® MG-0050N

Polyamide 66

Nytex Composites Co., Ltd.

Message:

NYLOY® MG-0050N is a Polyamide 66 (Nylon 66) material filled with 50% glass fiber. It is available in Asia Pacific or North America for injection molding.

General Information			
Filler / Reinforcement	Glass Fiber,50% Filler by Weight		
Appearance	Natural Color		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity			
--	1.33	g/cm ³	ASTM D792
--	1.56	g/cm ³	ISO 1183
Molding Shrinkage			ASTM D955, ISO 294-4
Flow	0.48	%	
Across Flow	1.1	%	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	120		ASTM D785, ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
--	221	MPa	ASTM D638
--	230	MPa	ISO 527-2
Tensile Elongation			
Break	1.5	%	ASTM D638
Break	2.7	%	ISO 527-2
Flexural Modulus			
--	12400	MPa	ASTM D790
--	13300	MPa	ISO 178
Flexural Strength			
--	294	MPa	ASTM D790
--	350	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	18	kJ/m ²	ISO 179/1eA
Notched Izod Impact (23°C, 3.18 mm)	190	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
1.8 MPa, Unannealed	255	°C	ASTM D648
1.8 MPa, Unannealed	252	°C	ISO 75-2/A
Injection	Nominal Value	Unit	

Processing (Melt) Temp	270 to 300	°C
Mold Temperature	80.0	°C

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Recommended distributors for this material

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