

NYLOY® MG-0013N

Polyamide 66

Nytex Composites Co., Ltd.

Message:

NYLOY® MG-0013N is a Polyamide 66 (Nylon 66) material filled with 13% glass fiber. It is available in Asia Pacific or North America.

General Information			
Filler / Reinforcement	Glass Fiber,13% Filler by Weight		
Appearance	Natural Color		
Physical	Nominal Value	Unit	Test Method
Specific Gravity			
--	1.05	g/cm ³	ASTM D792
--	1.21	g/cm ³	ISO 1183
Molding Shrinkage			
Flow	0.74	%	ASTM D955, ISO 294-4
Across Flow	1.4	%	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	110		ASTM D785, ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
--	98.1	MPa	ASTM D638
--	115	MPa	ISO 527-2
Tensile Elongation			
Break	2.0	%	ASTM D638
Break	3.0	%	ISO 527-2
Flexural Modulus			
--	4710	MPa	ASTM D790
--	4400	MPa	ISO 178
Flexural Strength			
--	162	MPa	ASTM D790
--	175	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	6.0	kJ/m ²	ISO 179/1eA
Notched Izod Impact (23°C, 3.18 mm)	68	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
1.8 MPa, Unannealed	225	°C	ASTM D648
1.8 MPa, Unannealed	220	°C	ISO 75-2/A

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Recommended distributors for this material

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