

NYLOY® MG-0023N

Polyamide 66
Nytex Composites Co., Ltd.

Message:
NYLOY® MG-0023N is a Polyamide 66 (Nylon 66) material filled with 23% glass fiber. It is available in Asia Pacific or North America.

General Information			
Filler / Reinforcement	Glass Fiber,23% Filler by Weight		
Appearance	Natural Color		
Physical	Nominal Value	Unit	Test Method
Specific Gravity			
--	1.12	g/cm³	ASTM D792
--	1.30	g/cm³	ISO 1183
Molding Shrinkage			
Flow	0.51	%	ASTM D955, ISO 294-4
Across Flow	1.3	%	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	112		ASTM D785, ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
--	142	MPa	ASTM D638
--	125	MPa	ISO 527-2
Tensile Elongation			
Break	2.0	%	ASTM D638
Break	3.5	%	ISO 527-2
Flexural Modulus			
--	6960	MPa	ASTM D790
--	5600	MPa	ISO 178
Flexural Strength			
--	226	MPa	ASTM D790
--	195	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	9.0	kJ/m²	ISO 179/1eA
Notched Izod Impact (23°C, 3.18 mm)	100	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
1.8 MPa, Unannealed	240	°C	ASTM D648
1.8 MPa, Unannealed	230	°C	ISO 75-2/A

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Recommended distributors for this material

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