

NYLOY® MG-0023N-V0 BK2

Polyamide 66
Nytex Composites Co., Ltd.

Message:

NYLOY® MG-0023N-V0 BK2 is a Polyamide 66 (Nylon 66) material filled with 34% glass fiber. It is available in Asia Pacific or North America for injection molding.

Important attributes of NYLOY® MG-0023N-V0 BK2 are:

Flame Rated
Flame Retardant
Halogen Free

General Information			
Filler / Reinforcement	Glass Fiber,34% Filler by Weight		
Additive	Flame Retardant		
Features	Flame Retardant		
	Halogen Free		
Appearance	Black		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.22	g/cm ³	ASTM D792
Molding Shrinkage			ASTM D955, ISO 294-4
Flow	0.48	%	
Across Flow	1.1	%	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	117		ASTM D785, ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
--	132	MPa	ASTM D638
--	130	MPa	ISO 527-2
Tensile Elongation			
Break	1.0	%	ASTM D638
Break	1.8	%	ISO 527-2
Flexural Modulus			
--	9460	MPa	ASTM D790
--	9000	MPa	ISO 178
Flexural Strength			
--	196	MPa	ASTM D790
--	180	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	240	°C	ASTM D648
1.8 MPa, Unannealed	235	°C	ISO 75-2/A
Flammability	Nominal Value		Test Method
Flame Rating (3.20 mm)	V-0		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	110	°C	
Drying Time	2.0 to 4.0	hr	
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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