

NYLOY® MG-0833B

Polyamide 66

Nytex Composites Co., Ltd.

Message:

NYLOY® MG-0833B is a Polyamide 66 (Nylon 66) material filled with 33% glass fiber. It is available in Asia Pacific or North America for injection molding. Primary attribute of NYLOY® MG-0833B: Flame Rated.

General Information			
Filler / Reinforcement	Glass Fiber,33% Filler by Weight		
Appearance	Black		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity			
--	1.18	g/cm ³	ASTM D792
--	1.39	g/cm ³	ISO 1183
Molding Shrinkage			ASTM D955, ISO 294-4
Flow	0.34	%	
Across Flow	1.0	%	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	114		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
--	137	MPa	ASTM D638
--	125	MPa	ISO 527-2
Tensile Elongation			
Break	2.0	%	ASTM D638
Break	1.9	%	ISO 527-2
Flexural Modulus			
--	7850	MPa	ASTM D790
--	8000	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)	7.8	kJ/m ²	ISO 179/1eA
Notched Izod Impact (23°C, 3.18 mm)	78	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	235	°C	
1.8 MPa, Unannealed	225	°C	

Flammability	Nominal Value	Test Method
Flame Rating (1.59 mm)	HB	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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