

NYLOY® NG-1050N

Polyamide 6
Nytex Composites Co., Ltd.

Message:

NYLOY® NG-1050N is a Polyamide 6 (Nylon 6) material filled with 50% glass fiber. It is available in Asia Pacific or North America for injection molding. Primary attribute of NYLOY® NG-1050N: Impact Modified.

General Information			
Filler / Reinforcement	Glass Fiber,50% Filler by Weight		
Additive	Impact Modifier		
Features	Impact Modified		
Appearance	Natural Color		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.32	g/cm³	ASTM D792
Molding Shrinkage			ASTM D955
Flow	0.33	%	
Across Flow	0.86	%	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	116		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	167	MPa	ASTM D638
Tensile Elongation (Break)	2.5	%	ASTM D638
Flexural Modulus	11300	MPa	ASTM D790
Flexural Strength	245	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	260	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	210	°C	ASTM D648
Injection	Nominal Value	Unit	
Drying Temperature	110	°C	
Drying Time	2.0 to 4.0	hr	
Processing (Melt) Temp	260 to 290	°C	
Mold Temperature	80.0	°C	

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Recommended distributors for this material

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