

NYLOY® NG-1035NM

Polyamide 6

Nytex Composites Co., Ltd.

Message:

NYLOY® NG-1035NM is a Polyamide 6 (Nylon 6) material filled with 35% glass fiber. It is available in Asia Pacific or North America for injection molding. Primary attribute of NYLOY® NG-1035NM: Impact Modified.

General Information			
Filler / Reinforcement	Glass Fiber,35% Filler by Weight		
Additive	Impact Modifier		
Features	Impact Modified		
Appearance	Natural Color		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity			
--	1.16	g/cm ³	ASTM D792
--	1.36	g/cm ³	ISO 1183
Molding Shrinkage			ASTM D955, ISO 294-4
Flow	0.34	%	
Across Flow	0.96	%	
Ash Content	35	%	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness			
R-Scale	115		ASTM D785
R-Scale	114		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
--	152	MPa	ASTM D638
--	140	MPa	ISO 527-2
Tensile Elongation			
Break	4.7	%	ASTM D638
Break	3.3	%	ISO 527-2
Flexural Modulus			
--	8290	MPa	ASTM D790
--	7500	MPa	ISO 178
Flexural Strength			
--	225	MPa	ASTM D790
--	210	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	27	kJ/m ²	ISO 179/1eA

Notched Izod Impact (23°C, 3.18 mm)	270	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
1.8 MPa, Unannealed	207	°C	ASTM D648
1.8 MPa, Unannealed	200	°C	ISO 75-2/A
Injection	Nominal Value	Unit	
Drying Temperature	100	°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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