

NYLOY® NG-0033N

Polyamide 6

Nytex Composites Co., Ltd.

Message:

NYLOY® NG-0033N is a Polyamide 6 (Nylon 6) material filled with 33% glass fiber. It is available in Asia Pacific or North America for injection molding.

General Information			
UL YellowCard	E135714-222631		
Filler / Reinforcement	Glass Fiber,33% Filler by Weight		
Appearance	Natural Color		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity			
--	1.19	g/cm ³	ASTM D792
--	1.38	g/cm ³	ISO 1183
Molding Shrinkage			
Flow	0.34	%	ASTM D955, ISO 294-4
Across Flow	0.93	%	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	114		ASTM D785, ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
--	177	MPa	ASTM D638
--	170	MPa	ISO 527-2
Tensile Elongation			
Break	2.5	%	ASTM D638
Break	2.7	%	ISO 527-2
Flexural Modulus			
--	10300	MPa	ASTM D790
--	8500	MPa	ISO 178
Flexural Strength			
--	255	MPa	ASTM D790
--	250	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	15	kJ/m ²	ISO 179/1eA
Notched Izod Impact (23°C, 3.18 mm)	160	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
1.8 MPa, Unannealed	210	°C	ASTM D648
1.8 MPa, Unannealed	203	°C	ISO 75-2/A

Injection	Nominal Value	Unit
Processing (Melt) Temp	260 to 280	°C

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Recommended distributors for this material

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