

NYLOY® PG-0030N

Polypropylene

Nytex Composites Co., Ltd.

Message:

NYLOY® PG-0030N is a Polypropylene material filled with 30% glass fiber. It is available in Asia Pacific or North America for injection molding.

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Appearance	Natural Color		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity			
--	0.960	g/cm ³	ASTM D792
--	1.12	g/cm ³	ISO 1183
Molding Shrinkage			ASTM D955, ISO 294-4
Flow	0.63	%	
Across Flow	1.0	%	
Ash Content	30	%	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness			
R-Scale	97		ASTM D785
R-Scale	98		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
--	74.5	MPa	ASTM D638
--	85.0	MPa	ISO 527-2
Tensile Elongation (Break)	3.0	%	ASTM D638, ISO 527-2
Flexural Modulus			
--	5250	MPa	ASTM D790
--	5450	MPa	ISO 178
Flexural Strength			
--	106	MPa	ASTM D790
--	130	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	10	kJ/m ²	ISO 179/1eA
Notched Izod Impact (23°C, 3.18 mm)	74	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	158	°C	ASTM D648
1.8 MPa, Unannealed	147	°C	ASTM D648

1.8 MPa, Unannealed	144	°C	ISO 75-2/A
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	1.0 to 2.0	hr	
Processing (Melt) Temp	180 to 210	°C	

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Recommended distributors for this material

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