

NYLOY® PG-0020N

Polypropylene

Nytex Composites Co., Ltd.

Message:

NYLOY® PG-0020N is a Polypropylene material filled with 20% glass fiber. It is available in Asia Pacific or North America for injection molding.

General Information			
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Appearance	Natural Color		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity			
--	0.891	g/cm ³	ASTM D792
--	1.04	g/cm ³	ISO 1183
Molding Shrinkage			ASTM D955, ISO 294-4
Flow	0.84	%	
Across Flow	1.1	%	
Ash Content	20	%	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness			
R-Scale	95		ASTM D785
R-Scale	98		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
--	66.7	MPa	ASTM D638
--	72.0	MPa	ISO 527-2
Tensile Elongation			
Break	4.0	%	ASTM D638
Break	3.1	%	ISO 527-2
Flexural Modulus			
--	3960	MPa	ASTM D790
--	4100	MPa	ISO 178
Flexural Strength			
--	92.2	MPa	ASTM D790
--	110	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	8.5	kJ/m ²	ISO 179/1eA
Notched Izod Impact (23°C, 3.18 mm)	61	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648

0.45 MPa, Unannealed	150	°C
1.8 MPa, Unannealed	138	°C
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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