

Mapex NT0320GN

Polyamide 6

Ginar Technology Co., LTD.

Message:

Mapex NT0320GN is a polyamide 6 (nylon 6) product, which contains a 30% glass fiber reinforced material. It can be processed by injection molding and is available in North America, Africa and the Middle East, Europe or Asia Pacific.

Features include:

- Impact resistance
- Impact modification
- Hard

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 30% filler by weight		
Additive	Impact modifier		
Features	Impact modification		
	Rigidity, high		
	Impact resistance, high		
	Low temperature impact resistance		
Appearance	Available colors		
	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.19	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.40	%	ASTM D955
Water Absorption (24 hr)	1.0	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	120		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	64.1	MPa	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638
Flexural Modulus	3100	MPa	ASTM D790
Flexural Strength	103	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-40°C	80	J/m	ASTM D256
-20°C	110	J/m	ASTM D256
0°C	130	J/m	ASTM D256
23°C	160	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load (1.8 MPa, Unannealed)	190	°C	ASTM D648
Injection	Nominal Value	Unit	
Drying Temperature	70.0	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.20	%	
Suggested Shot Size	40 - 80	%	
Rear Temperature	230 - 240	°C	
Middle Temperature	245 - 265	°C	
Nozzle Temperature	240 - 250	°C	
Mold Temperature	60.0 - 80.0	°C	
Back Pressure	0.00 - 0.294	MPa	
Screw Speed	50 - 70	rpm	
Injection instructions			

Injection Pressure: 60 to 85% Injection Speed: 60 to 85%

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

