

Mapex NT0110GB

Polyamide 6

Ginar Technology Co., LTD.

Message:

Mapex NT0110GB is a polyamide 6 (nylon 6) product, which contains a 15% 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, 15% filler by weight		
Additive	Impact modifier		
Features	Impact modification		
	Rigidity, high		
	Impact resistance, high		
	Low temperature impact resistance		
Appearance	Black		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.08	g/cm ³	ASTM D792
Molding Shrinkage - Flow	2.6	%	ASTM D955
Water Absorption (24 hr)	1.3	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	118		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	41.4	MPa	ASTM D638
Tensile Elongation (Break)	90	%	ASTM D638
Flexural Modulus	1380	MPa	ASTM D790
Flexural Strength	55.2	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-40°C	91	J/m	ASTM D256
-20°C	96	J/m	ASTM D256
0°C	160	J/m	ASTM D256
23°C	530	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	60.0	°C	ASTM D648

Injection	Nominal Value	Unit
Drying Temperature	90.0	°C
Drying Time	4.0	hr
Suggested Max Moisture	0.20	%
Suggested Shot Size	40 - 80	%
Rear Temperature	220 - 240	°C
Middle Temperature	240 - 250	°C
Nozzle Temperature	230 - 240	°C
Mold Temperature	60.0 - 80.0	°C
Back Pressure	0.00 - 0.490	MPa
Screw Speed	50 - 70	rpm

Injection instructions

Injection Pressure: 40 to 60% Injection Speed: 40 to 60%

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Recommended distributors for this material

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