

# Mapex AT0110GB

Polyamide 66

Ginar Technology Co., LTD.

Message:

Mapex AT0110GB is a polyamide 66 (nylon 66) product that contains 15% glass fiber reinforcement. It can be processed by injection molding and is available in North America, Africa and the Middle East, Europe or Asia Pacific. Typical application areas are: sporting goods.

Features include:

- Impact resistance
- Impact modification
- Hard
- Good toughness

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 15% filler by weight		
Additive	Impact modifier		
Features	Ultra high toughness		
	Impact modification		
	Rigidity, high		
	Impact resistance, high		
	Low temperature impact resistance		
Uses	Sporting goods		
Appearance	Available colors		
	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.07	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	2.2	%	ASTM D955
Water Absorption (24 hr)	0.98	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	120		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	53.1	MPa	ASTM D638
Tensile Elongation (Break)	40	%	ASTM D638
Flexural Modulus	1550	MPa	ASTM D790
Flexural Strength	66.9	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-40°C	210	J/m	ASTM D256
-20°C	690	J/m	ASTM D256

0°C	800	J/m	ASTM D256
23°C	910	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	69.0	°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	250 - 265	°C	
Middle Temperature	240 - 250	°C	
Nozzle Temperature	265 - 275	°C	
Mold Temperature	60.0 - 80.0	°C	
Back Pressure	0.00 - 0.490	MPa	
Screw Speed	50 - 70	rpm	
Injection instructions			

Injection Pressure: 50 to 70% Injection Speed: 50 to 70%

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

#### 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

