

# Mapex AN0920SN

Polyamide 6

Ginar Technology Co., LTD.

## Message:

Mapex AN0920SN is a polyamide 6 (nylon 6) product, which contains a 45% 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. Mapex AN0920SN applications include the automotive industry, consumer goods, handles and sporting goods.

Features include:

Hard

Heat resistance

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 45% filler by weight		
Features	Rigidity, high		
	Heat resistance, high		
Uses	Handle		
	Application in Automobile Field		
	Sporting goods		
	Toys		
Appearance	Available colors		
	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.51	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	0.20	%	ASTM D955
Water Absorption (24 hr)	0.90	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	121		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	165	MPa	ASTM D638
Tensile Elongation (Break)	2.0	%	ASTM D638
Flexural Modulus	10300	MPa	ASTM D790
Flexural Strength	241	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	120	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	210	°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	240 - 250	°C
Middle Temperature	250 - 270	°C
Nozzle Temperature	240 - 250	°C
Mold Temperature	80.0 - 90.0	°C
Back Pressure	0.00 - 0.0981	MPa
Screw Speed	80 - 100	rpm

#### Injection instructions

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

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#### Recommended distributors for this material

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