

Mapex AN4720SB

Polyamide 66

Ginar Technology Co., LTD.

Message:

Mapex AN4720SB is a polyamide 66 (nylon 66) product that contains 33% 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: electrical/electronic applications. Features include:
Hard
Heat resistance

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 33% filler by weight		
Features	Rigidity, high		
	Heat resistance, high		
Uses	Electrical/Electronic Applications		
Appearance	Black		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.40	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.30	%	ASTM D955
Water Absorption (24 hr)	0.90	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	122		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	172	MPa	ASTM D638
Tensile Elongation (Break)	2.2	%	ASTM D638
Flexural Modulus	8960	MPa	ASTM D790
Flexural Strength	241	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	110	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	250	°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	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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