

Mapex N0050FN

Polyamide 6

Ginar Technology Co., LTD.

Message:

Mapex N0050FN 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. Typical application areas are: electrical/electronic applications.

- Features include:
- flame retardant/rated flame
 - Flame Retardant
 - Good processability
 - Hard
 - Good toughness

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 15% filler by weight		
Features	Rigidity, high		
	Good formability		
	Good toughness		
	Self-lubricating		
	Flame retardancy		
Uses	Electrical/Electronic Applications		
	Connector		
Appearance	Available colors		
	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.32	g/cm ³	ASTM D792
Molding Shrinkage - Flow	1.5	%	ASTM D955
Water Absorption (24 hr)	1.1	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	121		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Elongation (Break)	10	%	ASTM D638
Flexural Modulus	2620	MPa	ASTM D790
Flexural Strength	96.5	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	43	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load (1.8 MPa, Unannealed)	77.0	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating (0.794 mm)	V-0		UL 94
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	220 - 230	°C	
Middle Temperature	230 - 240	°C	
Nozzle Temperature	220 - 230	°C	
Mold Temperature	60.0 - 80.0	°C	
Back Pressure	0.00 - 0.490	MPa	
Screw Speed	80 - 100	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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