

Mapex A0050FN

Polyamide 66

Ginar Technology Co., LTD.

Message:

Mapex A0050FN 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: electrical/electronic applications.

Features include:

flame retardant/rated flame

Flame Retardant

Good processability

Hard

Good toughness

General Information			
UL YellowCard	E154352-223867		
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	1.17	g/cm ³	ASTM D792
Molding Shrinkage - Flow	2.5	%	ASTM D955
Water Absorption (24 hr)	1.0	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	122		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Elongation (Break)	10	%	ASTM D638
Flexural Modulus	3030	MPa	ASTM D790
Flexural Strength	117	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	37	J/m	ASTM D256

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	100	°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	250 - 265	°C	
Middle Temperature	265 - 275	°C	
Nozzle Temperature	260 - 270	°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%

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

