

Mapex HK5920SB

Polyamide 66/6 Copolymer

Ginar Technology Co., LTD.

Message:

Mapex HK5920SB is a polyamide 66/6 copolymer (nylon 66/6) product, which contains 53% glass/mineral filler. It can be processed by injection molding and is available in North America, Africa and the Middle East, Europe or Asia Pacific.

Features include:

Good processability

Hard

Good dimensional stability

General Information			
Filler / Reinforcement	Glass \mineral, 53% filler by weight		
Features	Good dimensional stability		
	Rigidity, high		
	Excellent printability		
	Workability, good		
Appearance	Black		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.63	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.20	%	ASTM D955
Water Absorption (24 hr)	0.70	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	121		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	179	MPa	ASTM D638
Tensile Elongation (Break)	1.5	%	ASTM D638
Flexural Modulus	11000	MPa	ASTM D790
Flexural Strength	255	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)	230	°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	260 - 275	°C
Middle Temperature	270 - 285	°C
Nozzle Temperature	265 - 275	°C
Mold Temperature	80.0 - 90.0	°C
Back Pressure	26.0 - 27.0	MPa
Screw Speed	80 - 100	rpm

Injection instructions

Injection Pressure: 70 to 85%Injection Speed: 70 to 85%

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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



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