

Mapex HK4920SB

Polyamide 66

Ginar Technology Co., LTD.

Message:

Mapex HK4920SB PA6.6 is a 45 % glass fiber mineral reinforced product for injection moulding in black colour

General Information			
Filler / Reinforcement	Glass \mineral, 45% filler by weight		
Features	Highlight Solvent resistance Good formability Good electrical performance Good chemical resistance Good wear resistance Good weather resistance Fuel resistance Heat resistance, high Oil resistance		
Appearance	Black		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.58	g/cm ³	ASTM D792, ISO 1183
Molding Shrinkage - Flow (1.60 mm)	0.10 - 0.30	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	160	MPa	ISO 527-2
Tensile Strain (Break)	2.6	%	ISO 527-2
Flexural Modulus	11600	MPa	ISO 178
Flexural Stress	241	MPa	ISO 178
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	240	°C	ASTM D648, ISO 75-2/A
Melting Temperature	250	°C	DSC
Flammability	Nominal Value		Test Method
Flame Rating (1.50 mm)	HB		UL 94
Additional Information			
Notched Izod Impact Strength, ISO 180/1, 23°C, notched .025 in: 90 J/m			
Injection	Nominal Value	Unit	
Drying Temperature	90.0	°C	

Drying Time	4.0	hr
Rear Temperature	250 - 285	°C
Middle Temperature	250 - 285	°C
Front Temperature	250 - 285	°C
Nozzle Temperature	265 - 275	°C
Mold Temperature	30.0 - 100	°C
Injection Pressure	50.0 - 120	MPa
Injection Rate	Moderate-Fast	
Holding Pressure	30.0 - 80.0	MPa
Back Pressure	0.00 - 0.300	MPa
Screw Speed	60 - 100	rpm

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

