

4MID® 9B22240

Polyamide 6
4Plas

Message:

4MID 9B22240 is a Prime Standard Flow 40% Glass Bead Filled PA6

General Information			
Filler / Reinforcement	Glass beads, 40% filler by weight		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.46	g/cm ³	ISO 1183
Water Absorption ¹ (Equilibrium, 23°C, 50% RH)	1.8	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	6000	MPa	ISO 527-2/5
Tensile Stress (Break, 23°C)	70.0	MPa	ISO 527-2/5
Tensile Strain (Break, 23°C)	10	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ISO 180/1A
-30°C	4.0	kJ/m ²	ISO 180/1A
23°C	5.0	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	180	°C	ISO 75-2/B
Vicat Softening Temperature	210	°C	ISO 306/B
Melting Temperature ²	223	°C	ISO 11357
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index	500	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm)	HB		UL 94
Glow Wire Ignition Temperature (2.00 mm)	650	°C	IEC 60695-2-13
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	2.0	hr	
Suggested Max Moisture	0.20	%	
Processing (Melt) Temp	250 - 270	°C	
Mold Temperature	60.0 - 100	°C	
Injection Rate	Fast		
Holding Pressure	50.0 - 100	MPa	
Screw Speed	200	rpm	
Injection instructions			

Feed Throat Temperature: 60 - 80 °C Back Pressure: Low

NOTE

- | | |
|----|----------|
| 1. | 24 Hrs |
| 2. | 10 K/min |

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

