

4MID® 9B22160

Polyamide 6

4Plas

Message:

4MID 9B22160 is a Prime Standard Flow 60% Glass Fibre Reinforced PA6

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 60% filler by weight		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.70	g/cm ³	ISO 1183
Molding Shrinkage			
Vertical flow direction	0.80	%	
Flow direction	0.10	%	
Water Absorption ¹ (Equilibrium, 23°C, 50% RH)	1.2	%	ISO 62
Moisture Content	< 2000	ppm	ISO 960
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	20000	MPa	ISO 527-2/5
Tensile Stress (Break, 23°C)	220	MPa	ISO 527-2/5
Tensile Strain (Break, 23°C)	2.0	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ISO 180/1A
-30°C	15	kJ/m ²	ISO 180/1A
23°C	18	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	215	°C	ISO 75-2/B
1.8 MPa, not annealed	210	°C	ISO 75-2/A
Vicat Softening Temperature	210	°C	ISO 306/B
Melting Temperature ²	223	°C	ISO 11357
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
0.750 mm	HB		UL 94
1.60 mm	HB		UL 94
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 °CBack 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



WECHAT