

4MID® 9A22130

Polyamide 66
4Plas

Message:

4MID 9A22130 is a Standard Flow 30% Glass Fibre Reinforced PA66

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 30% filler by weight		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.36	g/cm ³	ISO 1183
Molding Shrinkage			
Vertical flow direction	1.1	%	
Flow direction	0.30	%	
Water Absorption ¹ (Equilibrium, 23°C, 50% RH)	1.9	%	ISO 62
Moisture Content	< 2000	ppm	ISO 960
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	10000	MPa	ISO 527-2/5
Tensile Stress (Break, 23°C)	190	MPa	ISO 527-2/5
Tensile Strain (Break, 23°C)	3.0	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ISO 180/1A
-30°C	10	kJ/m ²	ISO 180/1A
23°C	13	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength			ISO 180/1U
-30°C	70	kJ/m ²	ISO 180/1U
23°C	80	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	260	°C	ISO 75-2/B
1.8 MPa, not annealed	255	°C	ISO 75-2/A
Vicat Softening Temperature	255	°C	ISO 306/B
Melting Temperature ²	262	°C	ISO 11357
CLTE - Flow	2.3E-5	cm/cm/°C	ISO 11359-2
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+13	ohms	IEC 60093
Volume Resistivity	1.0E+15	ohms · cm	IEC 60093
Dielectric Strength	90	kV/mm	IEC 60243-1
Dielectric Constant	3.70		IEC 60250

Dissipation Factor (1 MHz)	0.015		IEC 60250
Comparative Tracking Index	500	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
1.60 mm	HB		UL 94
3.20 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	270 - 300	°C	
Mold Temperature	70.0 - 110	°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



WECHAT