

4TECH® 9A22720 E-MH

Polyamide 66

4Plas

Message:

4TECH 9A22720 E-MH is a Standard Flow 20% Carbon Fibre Reinforced EMI/RF Shielding, Heat Stabilised PA66

General Information			
Filler / Reinforcement	Carbon fiber reinforced material, 20% filler by weight		
Additive	heat stabilizer		
Features	Electromagnetic shielding (EMI)		
	Thermal Stability		
	Radio frequency shielding (RFI)		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.28	g/cm ³	ISO 1183
Water Absorption ¹ (Equilibrium, 23°C, 50% RH)	2.2	%	ISO 62
Moisture Content	< 2000	ppm	ISO 960
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	12000	MPa	ISO 527-2/5
Tensile Stress (Break, 23°C)	125	MPa	ISO 527-2/5
Tensile Strain (Break, 23°C)	1.5	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ISO 180/1A
-30°C	5.0	kJ/m ²	ISO 180/1A
23°C	6.0	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	255	°C	ISO 75-2/B
1.8 MPa, not annealed	245	°C	ISO 75-2/A
Melting Temperature ²	262	°C	ISO 11357
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	< 1.0E+3	ohms	IEC 60093
Volume Resistivity	< 1.0E+4	ohms · cm	IEC 60093
Flammability	Nominal Value	Unit	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	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

