

GF Series

Two-part potting compound

GF series thermally conductive potting encapsulant provides thermal conductivity and electrical insulative characteristics delivered in a two-part dispensable and easily automated product. Additionally, the GF series provides protection from shock, dust, water, and vibration.



FEATURES / BENEFITS

- 0.8– 3.6W/m.K
- Electrically insulating
- High conformability
- Flexible working time

TYPICAL APPLICATIONS

- Industrial: LEDs, Power Supplies
- Automotive: OBC, DC/DC Converter, Amplifiers
- Consumer Electronics: DC Converters, High Voltage Applications

Typical Properties					
Attribute	Value				Test Method
	GF100	GF200	GF300	GF400	-
Composition	Ceramic filler + Silicone				
Color (A/B)	White/White	Pink/White	White/Blue	White/Yellow	Visual
Density(g/cc)	1.83	2.5	3.0	3.1	ASTM D792
Viscosity (cps) A/B	Part A:10,000 Part B:10,000	Part A: 6,000 Part B: 6,000	Part A:11,000 Part B:11,000	Part A: 15,000 Part B: 15,000	ASTM D2196
Hardness (Shore OO)	90	65	60	60	ASTM D2240
Usage Temperature(°C)	-40 to 200	-60 to 200	-60 to 200	-60 to 200	-
Flammability	V-0	V-0	V-0	V-0	UL 94
Electrical					
Breakdown Voltage (kV/mm)	≥10.0	≥7.0	> 7.0	> 7.0	ASTM D149
Dielectric Constant@1MHz	5.5	6.0	6.7	6.7	ASTM D150
Volume Resistivity(Ω.cm)	10 ¹⁵	> 10 ¹¹	10 ¹³	> 10 ¹³	ASTMD257
Thermal					
Thermal Conductivity(W/m.K)	0.8	2.0	3.0	3.6	ISO 22007-2

