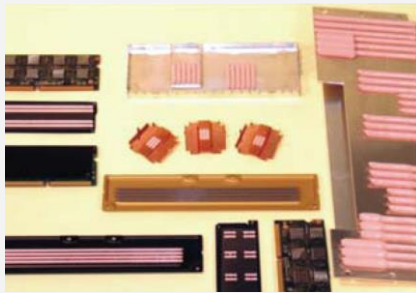


## Keratherm Sealing Compounds: **GF 255** & **GF 300**



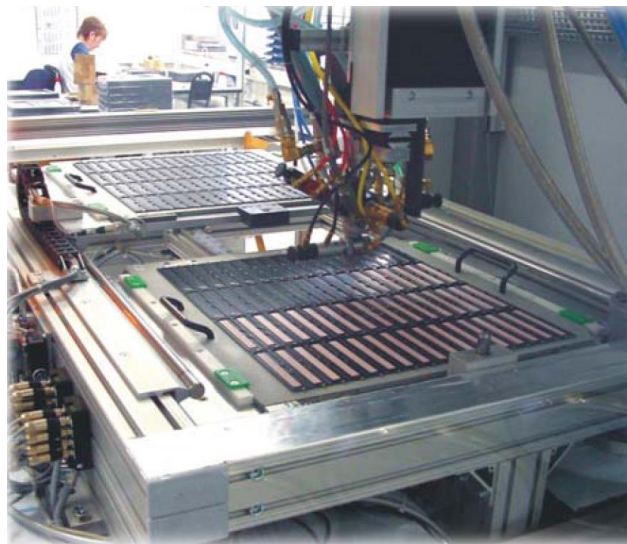
Ceramic-filled, two-component silicone elastomers. Because of their various thermal conductivities and differing compressibility behavior, their good dielectric properties, and being free of solvents, these materials are ideally suitable for encapsulating or dispensing. The wide range of different material viscosities available makes them of interest for "wet-in-wet" production.

### APPLICATIONS

- RD-RAM Modules
- Chipsets
- Heat Pipe Thermal Solutions
- Memory Chips
- Micro BGA
- High Voltage Electronic Components

DISCLAIMER: Purchaser shall be solely responsible for determining the adequacy of the product for any and all uses which the purchaser shall apply the product, and the application of the product by the purchaser shall not be subject to any implied warranty of fitness for that purpose.

Properties	symbol	unit	GF 255	GF 300
Base material			Silicone	Silicone
Color			red	Blue
Mixing Ratio			1:1	1:1
Viscosity		Pas	30 - 55	60 - 85
Curing			½hr. 120°C	½hr. 120°C
Techniact values				
Thermal Resistance	$R_{th}$	K/W	0.83	0.41
Thermal Impedance	$R_{ti}$	°Cmm <sup>2</sup> /W	243	120
		Kin <sup>2</sup> /W	0.39	0.19
Thermal Conductivity	$\lambda$	W/mK	1.5	3.0
Breakdown Voltage	$U_{d;ac}$	KV	4.0	7.0
Dielectric Breakdown	$E_{d;ac}$	KV/mm	8.0	14.0
Hardness		Shore 00	10 - 25	40 - 55
Density		g/cm <sup>3</sup>	1.7	1.9
Application Temperature		°C	-40 to +200	-40 to +200
Possible Thickness		mm	0.2 - 4.0	0.2 - 3.0



### Our Service:

Kerafol's® modern dispensing technologies allow the application of heat-conducting material onto the most diverse heat sinks or custom-specific components.

**Just contact us and we will help you find the right solution!**