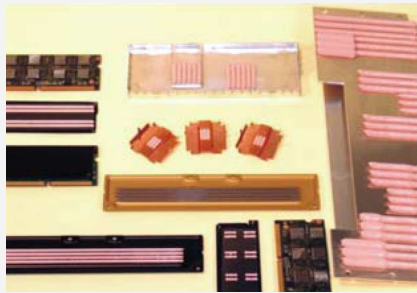


Keratherm Sealing Compounds: GF 300 & GF 1000



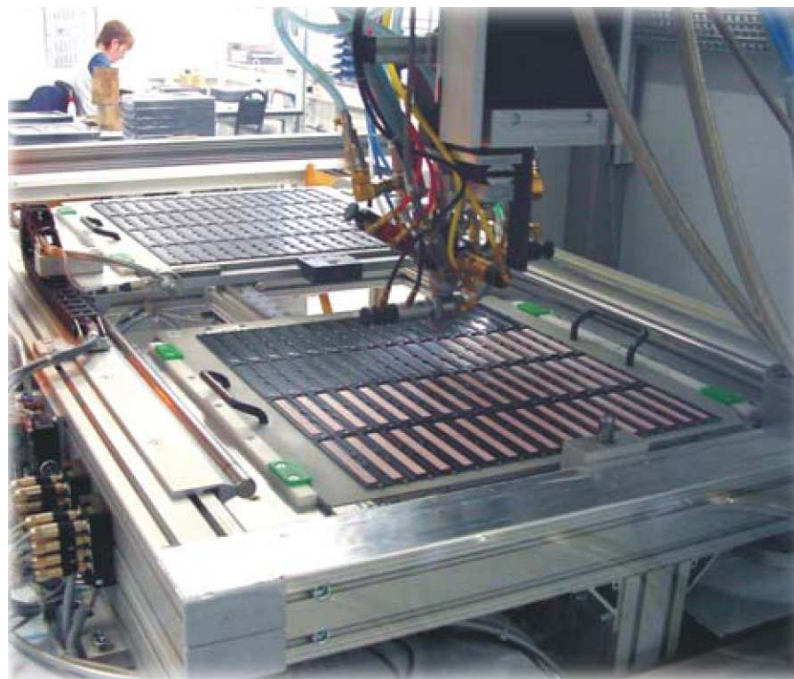
GF 300 is a ceramic-filled, two component silicone elastomers whereas GF 1000 is a single-component elastomer. Because of their various thermal conductivities and differing compressibility behavior, their good dielectric properties, and being free of solvents, these materials are ideally suitable for 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 300	GF 1000
Base material			Silicone	Silicone
Color			blue	white
Mixing Ratio			1:1	single component
Viscosity		Pas	80	330
Curing			½hr. 120°C	½hr. 130°C
Techniact values				
Thermal Conductivity	λ	W/mK	3.0	1.1
Dielectric Breakdown	$E_{d,ac}$	KV/mm	1.0	5.0
Hardness		Shore A	50	55
Density		g/cm ³	2.40	2.45
Application Temperature		°C	-40 to +200	-40 to +200



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!