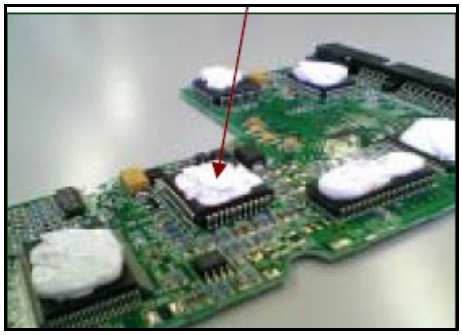
ELPACTO ® ELGEL DP

Thermal transfer from heat-generating device to heat spreader or heat sink

Hochleitende, elektrisch isolierende Silikon-Wärmeleitpaste mit hoher Viskosität	***Highly Thermal Conductive, Electricity Insulative, High Viscositiy type Silicone Compound***

DP



Application advantages:
DP is a highly conformable/thermally conductive, high viscosity type silicone compound. It provides a thermal solution for recent trends of higher frequencies and integration in the development of electronic devices. DP easily forms and adheres to most surfaces, shapes, and sizes of components. DP makes complete and reliable physical contact.
1) Suitable for filling large gaps and still provide superior thermal transfer.
2) Highly conformable with very low compression forces.
3) Has excellent vibration absorption capabitlities.
4) Maintains all initial properties across a wide temperature range.
5) Can be used to "Form-In-Place" and will remain form stable.
6) Requires no heat curing.
7) Will not cause corrosion on any metal surface.

Lieferformen /*Standard packing:* 30cc Tuben/*Tubes,* 330cc Spritzen/*Syringes 1kg Dosen/Dose*

Typical Material Properties

Item	**Unit**	**DP-100**	**DP-200**	**DP-300**	**REP-100** EMI-absorbent	**Test method**
Thermal Conductivity	Watt/m.K	6.5	4.8	4.8	1.0	Test 1*
Color	Visual	Gray paste	Gray paste	White paste	Black	
Specific Gravity	-	2.8	2.6	2.7	2.9	JIS K 6249
Hardness Cone penetration•1/10mm		45	55	60	60	JIS K 6249 (1/4cone)
Volume Resistivity	Ω·cm	$5.9x10^{13}$	$7.2x10^{14}$	$1.4x10^{14}$	$2.0x10^{11}$	JIS K 6249
Dielectric Constant	1MHz	7.0	6.6	9.6	4.0	JIS K 6249
Diesletric Dissip.Factor	1MHz	0.015	0.005	0.004	--	JIS K 6249
Breakdown Voltage	KV/mm	5.0	5.6	9.6	4.0	JIS K 6249
Weigth Loss	Wt%	0.10	0.30	0.10	0.10	After +150°C, 24hrs aging
Temperature Range	°C	-40+200	-40+15	-40+120	-40+150	---
Flame Retardancy	UL 94	V-0	V-0	V-0	V-0 equivalent	Thickness 0,5 to 3,0

1* Accurate Rotary Viscometer
2* Heat Spacr Method at 70°C