SARCON® Thermally Conductive Greases

Sarcon® SPG-07SL and SPG-26SL are highly thermally conductive, non-reactive silicone-based greases that offer low thermal resistance and maintain a non-flowable composition. Unique binding agents and product formulation ensure the lowest amount of bleed and evaporation. Suited for thin bond line applications.

Sarcon® SPG-07NS and SPG-26NS are non-silicone, polysynthetic-based thermal greases that have high thermal conductivity properties. Infused with heat-conductive metal oxides, this non-migrating material operates consistently in high temperatures. Sarcon® non-silicone greases offer all the benefits of a silicone-based compound without the problem of contamination.

Typical Properties	Unit	SPG 07SL	SPG 26SL	SPG 07NS	SPG 26NS
Type	–	Silicone	Silicone	Non-Silicone	Non-Silicone
Specific Gravity, @ 25°C	–	2.2	2.2	2.4	2.2
Viscosity*	Cps	10,000	95,000	15,000	85,000
Flow Rate**	grams/minute	95	6	75	8
Color	–	White	Gray	Blue	Gray
Evaporation, @ 200°C, 24hrs.	%/Wt	0.52	0.44	0.68	0.5
Thermal Conductivity	W/m.°K	0.75	2.6	0.75	2.6
Volume Resistivity	Ohm-cm	2.1×10^{14}	2.8×10^{14}	1.4×10^{14}	2.1×10^{14}
Dielectric Strength	V/mil	386	412	314	392
Operating Temperature Range	°C	-55 to 205	-55 to 205	-55 to 200	-55 to 200

*** Viscosity: Brookfield Viscometer, Spindle No.CP-51, 5 RPM. ** Flow test: 30cc Syringe, 0.09"orifice at 25PSI.**

FEATURES:

- Silicone and non-silicone formulations
- Thermal conductivity up to 2.6 W/m°K
- Low bleed and evaporation
- No migration for non-silicone formulations over wide temperature range
- Non-toxic
- Thin bond lines 1 mil
- Easy to apply and re-work

APPLICATIONS:

- Standard dc/dc power converter and dc/ac inverter
- High performance CPUs
- Between any heat generating semiconductor and heat sink
- Custom power modules
- Telecommunications and automotive electronics

PACKAGING OPTIONS:

- Pre-filled syringes: 3cc (6g), 10cc (28g), 30cc (72g)
- Jar containers: 1 lb. (454g)
- Custom packaging: Available on request

Fujipoly America Corp.
900 Milik Street | P.O. Box 119 | Carteret, NJ 07008-0119
T 732.969.0100 | F 723.969.3311

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