

ELBALUBES 2507 SILICONE HEAT SINK COMPOUND

ELBALUBES 2507 is a silicone based, metal oxide filled compound that is an effective transporter of thermal energy. Effectiveness results from the ability to fill the interstitial spaces that exist between two coupled surfaces. Since air is a poor conductor of heat, by essentially filling the voids with a pliable, thermally stable compound, thermal energy is more efficiently conveyed from the heat source to the sink. Suggested Temperature Range: -40 to 200°C

ADVANTAGES :

- ▶ Excellent non-creep characteristics.
- ▶ Wide operating temperature range with low evaporation weight loss.
- ▶ Excellent thermal conductivity even at high temperatures.
- ▶ Easy to handle, economic in use and low in toxicity
- ▶ Elba syringe allows pin-point application and minimizes wasteful over-application

TYPICAL PROPERTIES

Color	White
Appearance	Smooth
Density, 25°C	2.2 g/cc
Thermal Conductivity	0.002 Cal/second/cm/°C
Thermal Resistance	0.05 °C-inch ² /W
Unworked Penetration	328
NLGI Grade	1
Oil Separation, 24h at 100°C	0.0%
Evaporation, 24h at 100°C	0.0%
Dielectric Strength, 0.05 gap	390 volts/mil

APPLICATION:

Apply to the base and mounting studs of diodes, transistors, thyristors, heat sinks, silicone rectifiers and semi-conductors, thermostats, power resistors and radiators.

SAFETY:

ELBALUBES 1330 EC does not contain hazardous ingredients. If fumes are generated at elevated temperatures, ventilation is required. See the Material Safety Data Sheet for additional safety related information on the grease.

