



Product Information

SSP1405L

THERMALLY CONDUCTIVE HEAT TRANSFER COMPOUND

PRODUCT DESCRIPTION

SSP1405L is a medium-bodied thermally conductive, heat sink compound which is designed to meet the demanding applications which require excellent heat transfer and high dielectrics. **SSP1405L** features an application range of -70°F to 450°F, no bleed or separation and excellent dispersion and stability. **SSP1405L** does not dry out, harden or melt.

| APPLICATIONS | FEATURES | TYPICAL DATA | |
|---|--|--|--|
| Mounting Studs of Transistors and Diodes Thermocouple Wells Shock & Heat Dissipation in Transistors Thermal Joints Mounting Semi-Conductive Devices Heat Transfer Medium & Ballast | Designed to meet MIL-C-47113 High Thermal Conductivity Low Bleed & Evaporation Water Resistant Excellent Dielectric Excellent Stability Chemically Inactive Hydrolytically Stable | Appearance Temperature Penetration Bleed Evaporation Specific Gravity | White – Opaque -70°F to 450°F 250-300 1 % Max 1 % Max 2.3 +/- .02 |
| DIELECTRIC PROPERTIES | | THERMAL CONDUCTIVITY | |
| Volume Resistivity Dissipation Factor @ 100 Hz Dielectric Constant @ 100 Hz Dielectric Strength @ 50 mil gap | 2.18x10 ¹⁴ ohm cm 0.0001 2.99 500 Volts/Mil | BTU-in/hrft ² -°F Cal/sec-cm ² -°C Watt/m-K | 0.42 0.0010 3.00 |

The information shown in the tables above is not intended for use in preparing specifications.

| PACKAGING | STORAGE | RESTRICTIONS | SAFETY |
|---|--|---|--|
| 5.3 oz. Tube 1 Lb. Jar 10 Lb. Pail 50 Lb. Pail 500 Lb. Drum | When stored in unopened original containers, shelf life is 18-24 months from the date of manufacture. Recommend storage areas do not exceed 100°F. | Not recommended for surfaces that are to be painted. Avoid use in or near highly oxidative chemicals. | Clean silicone compounds with non-polar solvents. Consult with authorized persons on the appropriate use of solvents in your application. MSDS sheets are available upon request. Most are available on the website. |

**SSP Compounds and Greases are tested to customer and military specifications.
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