

KSC1802

Silicone

Description

KSC1802 is a high performance thermally conductive liquid gap filling material. It is formulated to develop a soft, form in place elastomer ideal for coupling hot PC board components to heat sinks. It is supplied as a two part, 1:1 mix ratio silicone that when mixed, cures at room temperature, or when exposed to heat results in a cured elastomer in 5 minutes.

Technical Features

Appearance	Pink
Viscosity	11,000 cps
Specific Gravity	2.80
Consistency	self-leveling
Pot life @ RT	180 minutes
Cured @ 150°C	5 minutes
Durometer	70 Shore 00
Dielectric Strength	500 volts/mil
Dielectric Constant	7
Volume Resistivity	10 ¹² Ohms/M
Thermal Conductivity	2.0 W/m-k
Flame Rating	94 V-0

Product Features

- No odor or byproducts
- Convenient 1:1 mix ratio
- Chemical Cure System is Platinum catalyzed

Typical Applications

- Electronic component thermal dissipation
- Coupling electronic components
- Form in place heat sink

Solids

100% solids

Adhesion

Primerless adhesion to most metals and typical substrates.

Limitations

Allow to fully cure before putting assembly into service. Ensure enough product remains between flanges to be effective in an assembly.

Handling Precautions

This is a platinum cure system product. The catalyst can be deactivated by exposure to sulfur containing compounds like thiols, sulfides, sulfates, organic rubber containing sulfur, nitrogen containing compounds like amines, amides, imides, azides, tin metals or compounds, or tin cured RTV's.



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Instructions for Use

Ensure parts are clean, dry and free from oil and grease.

Dispense product to ensure both sides are flowing freely. Then add mix nozzle to cartridge and purge one nozzle length worth of product to ensure fully mixed product. Dispense product into cavity until fully encapsulated.

Dispensing systems are available for high volume assembly applications. Please contact your Krylex representative for further advice on dispensing solutions.

Storage

Store in a cool area out of direct sunlight. Refrigeration to 5° gives optimum stability.

General Information

For maximum shelf life, keep containers sealed when not in use. Keep out of the reach of children. Uncured sealant irritates eyes and skin.

For safe handling of this product consult the Material Safety Data Sheet.

Notes

The data contained in this data sheet may be reported as typical value and/or range. Values are based on actual test data and area verified on a regular basis.

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