CHEMTRONICS®
Technical Data Sheet

TDS # CT40

Farnell P/C 128752

CircuitWorks® Heat Sink Grease

PRODUCT DESCRIPTION

CircuitWorks® Heat Sink Grease silicone compound facilitates heat transfer away from electrical/electronic components. This heavy consistency material is thickened with a heat conductive metal oxide filler to maintain a positive heat sink seal in electrical/electronic equipment.

- Excellent conductivity
- Meets MIL-C-47113
- Noncorrosive
- High dielectric strength
- Low bleed
- Stable from -40°C (-40°F) to +200°C (+392°F)
- Nonflammable

TYPICAL PRODUCT DATA AND PHYSICAL PROPERTIES

Color	White
Specific Gravity @ 25°C (77°F)	2.3
Usable Temperature Range	-40°C (-40°F) t +200°C (392°F
Dielectric Strength, v/mil	450
Dielectric Constant @ 100 Hz	4.9
Dissipation Factor @ 100 Hz	0.0050
Volume Resistivity, ohm-cm	2×10^{15}
Arc Resistance, seconds	120

TYPICAL APPLICATIONS

CircuitWorks® Heat Sink Grease may be used for electronics and applications including:

- Effective Thermal Coupler For Any Heat Sink Device
- Nonflammable Coating Protection
- High Voltage Corona Protection
- Excellent for Improving Readings on Contact Type Thermocouples

COMPATIBILITY

CircuitWorks® Heat Sink Grease is generally compatible with most materials used in printed circuit board fabrication. As with any silicone compound, compatibility with substrate must be determined on a non-critical area prior to use.

Material	Compatibility
Ceramic	Good
Clean Metals	Good
Glass	Good
Natural Fibers	Good
Silicone Resins	Good
Painted Surfaces	Good
Plastic Surfaces	Good
Synthetic Fibers	Good
Vulcanized Silicone Rubber	Good
Wood	Good

USAGE INSTRUCTIONS

For industrial use only.

Read MSDS carefully prior to use.

Contact Chemtronics® for complete usage and application instructions. When using CircuitWorks® Heat Sink Grease, follow these guidelines: Apply to all mounting and threaded surfaces of the device and the chassis. Apply by pushing product ahead of neck.

Dispensing: CircuitWorks® Heat Sink Grease is a ready-to-use one-component material. Collapsible tubes may be squeezed by hand or with the aid of mechanical wringers.

AVAILABILITY

CT40-5 5 oz. Tube / 54.2 ml / 141 g Tube

CT405B 50 lbs. in a 5 gallon pail

ENVIRONMENTAL IMPACT DATA

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CFC	0.0%	VOC	0.0%
HCFC	0.0%	HFC	0.0%
Cl. Solv.	0.0%	ODP	0.00

CFC, HCFC, CL. SOLV., VOC, and HFC numbers shown are the content by weight. Ozone depletion potential (ODP) is determined in accordance with the Montreal Protocol and U.S. Clean Air Act of 1990. The ODP of this product is 0.0. It is the sum of the ODP of the substances that may contribute to the depletion of stratospheric ozone, based upon the weight of each substance in the product's formulation.

NOTE:

This information is believed to be accurate. It is intended for professional end users having the skills to evaluate and use the data properly. CHEMTRONICS® does not guarantee the accuracy of the data and assumes no liability in connection with damages incurred while using it.

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