



A NEW FORCE IN CHEMICAL MANUFACTURING

Unit 2, 14-16 Lee Holm Road
St Marys NSW 2760
Australia

Ph: 1300 738 250 (Australia)
Ph: +61 2 9833 9766 (International)
Fax: 02 9623 3670

sales@chemtools.com.au
www.chemtools.com.au

TECHNICAL DATA SHEET

MAY 2021

PRODUCT NAME

R00 Thermally Conductive Grease – Heatsink Compound

PRODUCT RANGE

Part Number	Available Size
CT-R00-SI-S10-PT	10cc Syringe
CT-R00-SI-S30-PT	30cc Syringe
CT-R00-50	50 Gram Tube
CT-R00-150	150 Gram Tube
CT-R00-1KG	1 Kilo Pail
CT-R00-4KG	4 Kilo Pail



Refer to SDS for product safety guidelines

R00 Thermally Conductive Grease – Heatsink Compound

Chemtools® R00 silicone free heat sink compound is a white thermally conductive grease which is specially formulated for use in a silicone free environment, where silicone contamination may hurt solderability and increase solder defects. This non-crosslinked thermal compound does not dry out, it is commonly used to improve heat flow between heat sinks and heat generating electronic devices such as LED's, CPU's and motors.

COMMON USES:

- Diodes
- Transistors
- Heat sinks
- Semi-conductors
- Thermostats
- Power resistors
- Radiators

FEATURES & BENEFITS

- Good thermal conductivity, app 1.70 W/m-k
- High Dielectric strength
- Broad service temperature -65°C to 165°C
- Low bleed and evaporation
- Excellent corrosion resistance
- Silicone free and non-toxic

TYPICAL SPECIFICATION:

- Viscosity: Paste
- Flash point: app. 296°C
- Colour: White
- Odour: Odourless
- Thermal Conductivity @25°C: App. 1.70 W/m-k
- Volume Resistivity: $1.8 \times 10^{11} \Omega \cdot \text{cm}$
- Volume Conductivity: $5.6 \times 10^{12} \text{ S/cm}$
- Dielectric Strength @50 mil gap: 13kV/mm

SHELF LIFE:

5 years (Please refer to storage conditions below)

DIRECTIONS FOR USE:

Clean all surfaces before use. Ensure good coverage. The surface of all components should be free of dirt, contaminants and old grease.

STORAGE:

Store in a cool, dry place, in tightly closed original containers at a room temperature between 5°C and 40°C. Do not place in direct sunlight or near any heat source. Do not return any used material to its original container.

DISPOSAL:

All products should be disposed of in accordance with local regulations.

PRECAUTIONS:

This product generally present little hazard in normal handling if ordinary care is exercised. If spilled, cover with inert, absorbent material and remove. Flush the area with water. None of these materials should be used, stored, or transported until the handling precautions and recommendations as stated in the Safety Data Sheets (SDS) for this and all other products being used are understood by all persons who will work with the material.

WARRANTY:

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