

Heat Sink Compound – Grey Ultra Conductive 50g Jar

Product Highlights

- **Lead-Free / RoHS 3 Compliant / REACH Compliant**
- Ultra High Density Thermal Paste. Grey, non-curing, flowable, thermally conductive heat sink compound. Heavily filled with heat-conductive metal oxide. Provides extremely high thermal conductivity, low bleed and high temperature stability.
- Electrically insulating (7×10^{12} ohm-cm)

Specifications

| | |
|-------------------------------------|---|
| Viscosity: | 95,000 cP (95,000 mPa·s) |
| Density: | 2.5g/cc |
| Thermal Conductivity: | 4.3 W/m·K |
| Thermal Resistance: | 0.06 °C·cm²/W |
| Electrical Volume Resistivity: | 7×10^{12} ohm-cm |
| Dielectric Strength: | 0.67 MV/m (17V/mil) |
| Operating Temperature (Continuous): | -40 to 150°C (-40 to 302°F) |
| Operating Temperature (Peak): | 200°C (392°F) |
| Operating Life: | >8 years *dependent on several factors, test in application to ensure suitability |
| Size: | 50g Jar |



Storage and Handling

Store refrigerated or at room temperature 3-25°C (37-77°F). Allow 4 hours for thermal paste to reach an application temperature of 20-25°C (68-77°F) before use.

Shelf Life

>24 months

Stencil Life

>7 days @ 20-70% RH 22-28°C (72-82°F)

Transportation

This product has no shipping restrictions. Shipping below 0°C (32°F) or above 25°C (77°F) for normal transit times by ground or air will not impact this product's stated shelf life.

Chip Quik® Thermal Paste Orderable Part Numbers

| Thermal Conductivity (W/m·K) | Thermal Resistance (°C*cm ² /W) | Density (g/cc) | Color | Package | Size (g) | Orderable Part Number |
|------------------------------|--|----------------|-------|---------|----------|-----------------------|
| 0.67 | 0.16 | 2.1 | White | Syringe | 10 | TC1-10G |
| 0.67 | 0.16 | 2.1 | White | Syringe | 20 | TC1-20G |
| 0.67 | 0.16 | 2.1 | White | Jar | 200 | TC1-200G |
| 4.3 | 0.06 | 2.5 | Grey | Syringe | 10 | TC2-10G |
| 4.3 | 0.06 | 2.5 | Grey | Syringe | 20 | TC2-20G |
| 4.3 | 0.06 | 2.5 | Grey | Jar | 50 | TC2-50G |
| 8.5 | 0.03 | 2.5 | Grey | Syringe | 1 | TC3-1G |
| 8.5 | 0.03 | 2.5 | Grey | Syringe | 3.5 | TC3-3.5G |
| 8.5 | 0.03 | 2.5 | Grey | Syringe | 10 | TC3-10G |

Mouser Electronics

Authorized Distributor

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[TC2-50G](#)