

Heat Sink Compound - High Density 200g Jar

Product Highlights

- High Density Thermal Paste.
- White, non-curing and non-flowing thermally conductive heat sink compound.
- Heavily filled with heat-conductive metal oxide. Provides high thermal conductivity, low bleed and high temperature stability.
- Electrically insulating (2×10^{15} ohm-cm).

Specifications

| | |
|-------------------------------------|---|
| Viscosity: | 542,000 cP (542,000 mPa·s) |
| Density: | 2.1g/cc |
| Bleed: | 0.23% |
| Thermal Conductivity: | 0.67 W/m·K |
| Thermal Resistance: | 0.16 °C*cm ² /W |
| Electrical Volume Resistivity: | 2×10^{15} ohm-cm |
| Dielectric Strength: | 8.27 MV/m (210V/mil) |
| Evaporation: | 0.38% |
| 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: | 200g 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

>60 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·cm²/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 |