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Thermalcote™ Thermal Grease

Thermalcote (Part #: 249, 250G, 251G, 252G, and 253G)

Thermalcote is a superior silicone-based thermal joint compound uniquely developed to increase heat transfer to all heat sinks. Thermalcote's thermal conductivity is more than 15 times that of air and more than 4 times the conductivity of typical silicone-based greases. It is non-toxic and extremely stable; it neither cakes nor runs between -40°C to 204°C.

Available sizes:

Thermalcote is available in a 28 g (1 oz) and 57 g (2 oz) tube as well as a 0.45 kg (1 lb) can.

[» MSDS Safety Sheet for Thermalcote in PDF format 41K](#)

Thermalcote Resistance Calculator

Enter the area of the device that will contact the heat sink:	<input type="text"/>	mm ²
Enter the grease thickness:	<input type="text"/>	mm
<input type="button" value="Calculate"/>		
Interface Resistance =	<input type="text"/>	

Formula

$$\text{interface resistance} = \frac{\text{interface thickness (mm)} * 1000}{\text{thermal conductivity (W/m-K)} * \text{contact area (mm}^2\text{)}}$$

Color	Opaque White
Operating Temperature Range	-40°C to 204°C (-40°F to 399°F).
Thermal Conductivity	0.765Wm-1°C-1 (0.442 Btu/hr ft °F)
Dialectic strength 1.27 mm gap(0.050" gap)	11.8 x 103volts/mm (300volts/mil)
Cleaning solvent	Mineral Spirits or Turpentine
Specific gravity	1.6
Evaporation, 24 hours@200°C (392°F), wt%	1
Shelf Life	Indefinite1 (unopened) One Year (opened)

(1) It is recommended that the containers be turned over every 6 months to minimize settling for ease of mixing.

Ordering Information

Part No.	RoHS	PCN	Net Weight
249			28 grams (1 oz) tube
250G			57 grams (2 oz) tube
251G			.45Kg. (1 lb) can
252G			2.27Kg. (5 lbs) can
253G			4.54Kg. (10 lbs) can

Need assistance?

Call us: 1-855-32-AAVID
Email: estore@aavid.com

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Enter a part number for pricing and availability.

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Thermalcote II (discontinued)

Thermalcote II (349G,350G,351G has been discontinued

Thermalcote II has been discontinued. Please see our Sil-Free product line for a suitable replacement.

Part No.	PCN
349G No longer available	
350G No longer available	
351G No longer available	

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