

Thermalcote™

Thermalcote™ is a superior thermal joint compound of thermally-loaded silicone-based grease for use with all heat sinks. It improves the transfer of thermal energy across the metal-to-metal interfaces between the transistor or rectifier case and the heat sink.

Thermalcote conducts heat approximately 15 times better than air and more than 4 times better than unloaded silicone grease. It is non-toxic, extremely stable, and neither cakes nor runs from -40° to 204°C (-40°F to 399°F).

Color: Opaque White

Operating Temperature Range: -40°C to 204°C (-40°F to 399°F).

Thermal Conductivity: $0.765 \text{ Wm}^{-1} \text{ }^{\circ}\text{C}^{-1}$ (.226 Btu/hr ft °F

Dialectic Strength 1.27 mm gap(.050" gap): $11.8 \times 10^3 \text{ volts/mm}$ (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)

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