

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 or runs from -40° to 204°C (-40°F to 399°F).

ORDERING INFORMATION

Part number	Net weight
249G	28 grams (1 oz) tube
250G	57 grams (2 oz) tube
251G	0.45 kg (1 lb) can
252G	2.27kg (5 lb) can
253G	4.54 kg(10 lb) can

PRODUCT INFORMATION

Color	Opaque white
Operating temperature range	-40°C to 204°C (-40°F to 399°F)
Thermal conductivity	0.765W/(m °C) (.226 Btu/hr ft °F)
Dielectric strength	11.8 x 10 ³ volts/mm (300 volts/mil) 1.27 mm gap (0.050" gap)
Cleaning solvent	Mineral spirits or turpentine
Specific gravity	1.6
Evaporation	
24 hours@200°C (392°F), wt%	1
Shelf life	Indefinite (unopened)*

* It is recommended that the containers be turned over every 6 months to minimize settling for ease of mixing

Thermalcote™ II

Thermalcote™ II was developed as the sensible alternative to silicone-based thermal greases. Thermalcote™ II employs a highly conductive synthetic base fluid that enables the finished product to exhibit the same thermal characteristics as the silicone-based products.

Thermalcote™ II contains no silicone. The high lubricity of the base oil permits efficient application to both semiconductor case or heat sink, and it will effectively fill the microscopic air gaps on the metal-to-metal mating surfaces. It is non-toxic, extremely stable, and neither cakes or runs from -40° to 200°C (-40°F to 392°F).

ORDERING INFORMATION

Part number	Net weight
349G	28 grams (1 oz) tube
350G	57 grams (2 oz) jar
351G	0.45 kg (1 lb) can

PRODUCT INFORMATION

Color	Blue
Operating temperature range	-40°C to 200°C (-40°F to 392°F)
Thermal conductivity	0.699W/(M °C) (0.204 Btu/hr ft °F)
Dielectric strength	7.9 x 10 ³ volts/mm (200volts/mil) 1.27 mm gap (0.050" gap)
Cleaning solvent	Mineral spirits or turpentine
Specific gravity	2.93@60°F (15.6°C)
Evaporation,	
24 hours@200°C (392°F), wt%	0.6 max
Shelf life	Indefinite (unopened)*

* It is recommended that the containers be turned over every 6 months to minimize settling for ease of mixing