

Heat Transfer Compound multicomp^{PRO}

**RoHS
Compliant**

Description

This is a thermal paste designed to reduce thermal resistance between irregular metal surfaces. Coupled with reasonable thermal conductivity, it has a soft consistency and a wide operating temperature range, making it an ideal thermal paste for CPU applications. This silicone-based thermal paste is mostly used to improve heat flow between heat sinks and heatgenerating components, such as CPUs, GPUs, LEDs, motors, and power components.

Features and Benefits

- High dielectric strength
- Excellent corrosion resistance
- Non-bleeding heat transfer paste
- Non-electrically conductive
- Long service life

Storage and Handling

Store between 0°C and 30°C in a dry area.

Properties

Color	: White
Filler	: Zinc oxide
Base Material	: Silicone oil
Density	: 2.4 g/mL
Viscosity	: 490 Pa·s
Resistivity	: $1.5 \times 10^{15} \Omega \cdot \text{cm}$
Thermal Conductivity @ 25°C	: 0.7 W/(m·K)
Evaporation Loss, 22 h @ 165°C	: 0.1 %
Oil Separation, 30 h @ 165°C	: 0.7 %
Worked Penetration, ½ scale	: 303
Water Washout @ 38°C,	: 0.1 %
Bearing Dried @ 77°C	
Dielectric Strength	: 400 V/mil
Dielectric Constant	: 3.8
Dissipation Factor	: 0.003
Service Temperature Range	: -40°C to 200°C

Part Number Table

Description	Part Number
Heat Transfer Compound, Silicone, 150g	MP014784

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