

TIM-Consultants

Thermal Interface Material Specialist

Quantum Thermal Grease



Thermally Conductive Grease

- Low Contact Thermal Resistance
- Screen and Stencil Printable

Applications

- CPU
- GPU
- Video Card
- IGBT
- Consumer Electronics
- Telecommunications
- Power Supply

Quantum Thermal Grease is a silicone based thermal interface material designed to meet the overheating and reliability requirements of high heat loading devices. The Matrix line of thermal greases have a thixotropic nature that allows it to flow; filling microscopic irregularities of the components it contacts. As a result, the Matrix has excellent wetting ability with minimal thermal contact resistance.

Quantum Thermal Grease's high molecular weight polymer structure is designed to adhere to itself, resulting in a highly pliable material that will prevent pump-out.

Quantum Thermal Grease is supplied in 2kg and 50g (1oz) containers; and 1.6g syringes.

All of the Matrix line of thermal greases meet environmental requirements such as RoHS, REACH, and WEEE standards.

Properties	Values	Test Method
Color	Gray	Visual
Density	2.7 g/cc	
Viscosity	< 2,000,000 cps	Viscometer
Temperature Range	-40 - 125°C	
UL Rating	94Vo - pending	
Thermal Conductivity	3.1 W/mK	Standard TTV
Thermal Resistance	0.034°C/W	Standard TTV

Available in 2kg, 50g, 1.6g

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