



Basic Information

- Place of Origin:
- Brand Name: zhonglei

China

100 m²

- Minimum Order Quantity:
- Packaging Details: carton
- Supply Ability: 10000



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上海中垒电气材料有限公司 Shanehai Zhonglei Electric Material Co. Ltd

Product Specification

Highlight:	Red Thermal Conductive Putty, Thermal Conductive Putty 1.5 W/MK	
Color:	Red	
Adhesion Strength:	Strong	
Thickness:	0.06 (1.524	
Chemical Resistance:	Excellent	
Hardness:	50 Shore A	
• Flame Retardant:	Yes	
Thermal Conductivity:	1.5 W/mK	
Curing Method:	Room Temperature Or Heat Cure	

Product Description:

Thermally Conductive Material Product Overview

Thermally Conductive Material, also known as Thermal Conductive Compound or Thermal Conductive Putty, is a highly efficient and versatile product that is widely used in various industries.

With a hardness of 50 Shore A, this product offers excellent flexibility and can easily conform to irregular surfaces, making it suitable for a wide range of applications.

One of the key properties of this product is its high dielectric strength of 10KV/mm, which makes it ideal for use in electrical and electronic components. It provides reliable insulation and can withstand high voltage and electric fields.

The thickness tolerance of this product is ± 0.001 " (± 0.025 mm), ensuring precise and consistent application for optimal performance. This makes it suitable for critical applications where accuracy is crucial.

In addition, this product is flame retardant, providing an extra layer of safety in environments where fire hazards are a concern. It meets the necessary safety standards and regulations, making it a trusted choice for various industries.

Moreover, this product offers strong adhesion strength, providing a secure bond between components. It can withstand high temperatures and harsh environments, ensuring long-lasting performance.

In summary, Thermally Conductive Material is a reliable and effective solution for thermal management and electrical insulation. Its combination of properties makes it a versatile and essential product in industries such as electronics, automotive, and aerospace.

Features:

Product Name: Thermally Conductive Material Application Method: Dispensing or Brushing Color: Red Thermal Conductivity: 1.5 W/mK Operating Temperature Range: -40°C to 200°C Material: Silicone Thermal Conductive Adhesive Thermal Conduction Material

Thermal Conductive Putty

Technical Parameters:

Product Name	Thermally Conductive Material
Dielectric Strength	10KV/mm
Adhesion Strength	Strong
Thermal Conductivity	1.5 W/mK
Thickness	1mm
Color	Red
Thickness Tolerance	±0.001" (±0.025mm)
Operating Temperature Range	-40°C To 200°C
Tensile Strength	15 Psi
Application Method	Dispensing Or Brushing
Material	Silicone
Key Words	Thermal Conductivity Material, Heat Conducting Material, Heat Conductive Substance, Heat Transfer Material

Applications:

Thermally Conductive Material: Enhancing Thermal Management in Electronic Devices

Thermally Conductive Material, also known as Thermal Transmission Material or Heat Conducting Material, is a type of material that is used to enhance the thermal management in electronic devices. With its high thermal conductivity and efficient heat transfer properties, this product plays a crucial role in maintaining the optimal temperature of electronic components and preventing overheating. Product Attributes

Density: 1.73 G / Cbm Curing Method: Room Temperature Or Heat Cure Thickness Tolerance: ±0.001" (±0.025mm) Thickness: 1mm Dielectric Strength: 10 KV/mm

Application and Scenario

The Thermally Conductive Material is widely used in various electronic devices such as laptops, smartphones, LED lights, and power supplies. Its main purpose is to improve the thermal management of these devices and ensure their efficient and safe operation. One common application of this product is in the assembly of electronic circuits. The Thermally Conductive Material is used to fill the gaps between electronic components and their heat sinks, providing an efficient thermal pathway for heat dissipation. This helps to prevent the components from overheating and prolong their lifespan.

Another scenario where this product is essential is in the manufacturing of LED lights. The high thermal conductivity of the Thermally Conductive Material allows for efficient heat transfer from the LED chips to the heat sink, ensuring that the lights operate at their optimal temperature and have a longer lifespan.

In the production of power supplies, the use of Thermally Conductive Adhesive is crucial. This adhesive is made with the same material and properties as the Thermally Conductive Material, making it an ideal choice for bonding heat sinks to electronic components. It ensures a strong and efficient bond that can withstand high temperatures and effectively dissipate heat. The Importance of Thermal Management in Electronic Devices

Electronic devices generate a lot of heat during their operation, and if not managed properly, this heat can cause damage to the components and reduce the device's performance. This is where the Thermally Conductive Material plays a crucial role. Its high thermal conductivity allows for efficient heat transfer, preventing heat buildup and maintaining the optimal operating temperature of the device. Moreover, with the continuous advancements in technology, electronic devices are becoming smaller and more powerful, resulting in a higher concentration of heat. This further highlights the importance of using Thermal Conduction Material to ensure the safe and efficient operation of these devices.

In conclusion, the Thermally Conductive Material is an essential component in the production of electronic devices. Its high thermal conductivity, efficient heat transfer properties, and versatile applications make it a valuable tool in enhancing thermal management and ensuring the optimal performance of electronic devices.

Customization:

Thermally Conductive Material - Customized Service

Product Attributes:

Flame Retardant: Yes

Curing Method: Room Temperature or Heat Cure

Dielectric Strength: 10 KV/mm

Adhesion Strength: Strong

Density: 1.73 G / Cbm

Key Features:

Heat Conductive Substance Thermal Transmission Material

Thermal Conductivity Material

Our Thermally Conductive Material offers customized services to meet your specific needs. With a flame retardant property, it ensures safety in high temperature environments. The curing method can be done at room temperature or through heat cure, providing flexibility in application. With a high dielectric strength of 4.5 KV/mm, it can withstand strong electrical fields. The adhesion strength is also strong, ensuring stable and reliable bonding. The density of the material is 1.73 G / Cbm, making it lightweight and easy to handle.

Packing and Shipping:

Packaging and Shipping for Thermally Conductive Material

Our Thermally Conductive Material is carefully packaged to ensure its safe delivery to your doorstep. Each unit is packaged in a sturdy box with protective padding to prevent any damage during transit.

Depending on the quantity ordered, the material may be shipped in either small boxes or larger pallets. Our team will work with you to determine the most efficient and cost-effective shipping method for your specific order.

We understand the importance of timely delivery, which is why we strive to ship all orders within 2-3 business days. For urgent orders, expedited shipping options are available for an additional cost.

Our shipping partners are trusted and reliable companies, ensuring that your package will arrive in excellent condition and on time. We also offer international shipping, so no matter where you are located, you can receive our Thermally Conductive Material.

In addition to our careful packaging and efficient shipping, we also provide tracking information for all orders. This allows you to monitor the progress of your shipment and plan accordingly for its arrival.

We take great pride in our packaging and shipping processes and are committed to delivering our Thermally Conductive Material to you in the best possible condition. Thank you for choosing our product.

