

1mm Thickness Thermally Conductive Silicone Flame Retardant Gasket Laminated PI Film

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 Shanghai Zhonghai Electric Material Co. Ltd

Product Specification

Highlight:	1mm Thermally Conductive Silicone, Thermally Conductive Silicone Flame Retardant
Dielectric Strength:	10KV/mm
Operating Temperature Range:	-40°C To 200°C
Curing Method:	Room Temperature Or Heat Cure
Adhesion Strength:	Strong
Thickness:	1mm
Application Method:	Dispensing Or Brushing
Thickness Tolerance:	±0.001" (±0.025mm)
Chemical Resistance:	Excellent

Product Description:

Product Overview: Thermally Conductive Material

The Thermally Conductive Material is a highly efficient compound designed for heat transfer and thermal management in various industrial applications. This innovative product is composed of a unique blend of materials that work together to provide superior thermal conductivity, dielectric strength, flame retardancy, tensile strength, thickness, and adhesion strength. Heat Conductive Compound

The Thermally Conductive Material is a heat conductive compound that is specifically engineered to transfer heat energy from one surface to another. This compound is made up of thermally conductive fillers, such as ceramic or metal particles, suspended in a polymer matrix. These fillers help to increase the thermal conductivity of the material, making it an ideal choice for heat transfer applications. Thermal Conductive Compound

The Thermally Conductive Material is also a thermal conductive compound, meaning it has the ability to conduct thermal energy efficiently. This is due to the unique blend of materials used in its composition, which allows for the transfer of heat between surfaces with minimal resistance. This makes the Thermally Conductive Material an ideal choice for thermal management in various industrial processes.

Dielectric Strength: 10 KV/mm

The Thermally Conductive Material has a dielectric strength of10 KV/mm, making it a reliable choice for applications that require high insulation properties. This makes the material suitable for use in electronic components, where electrical insulation is crucial for safe and efficient operation.

Flame Retardant: Yes

The Thermally Conductive Material is also flame retardant, meaning it has the ability to resist the spread of fire. This is an important feature for applications where there is a risk of fire, such as in electrical or electronic equipment. Tensile Strength: 48 Psi

The Thermally Conductive Material has a high tensile strength of 48 Psi, which makes it a durable and reliable choice for various industrial applications. This allows it to withstand mechanical stress and maintain its thermal conductivity properties over time, making it a long-lasting solution for heat transfer and thermal management. Thickness: 1mm

The Thermally Conductive Material has a thickness of 1mm, providing a thin yet effective layer for heat transfer. This allows for easy application and integration into various systems, without adding excessive bulk or weight.

Adhesion Strength: Strong

The Thermally Conductive Material has a strong adhesion strength, allowing it to bond firmly to different surfaces. This ensures that the material stays in place and maintains its thermal conductivity properties, even under harsh conditions or high temperatures. Overall, the Thermally Conductive Material is a versatile and efficient solution for heat transfer and thermal management. Its unique blend of properties makes it suitable for a wide range of industrial applications, providing reliable and long-lasting performance. Choose the Thermally Conductive Material for all your thermal management needs.

Features:

Product Name: Thermally Conductive Material Dielectric Strength: 10 KV/mm Flame Retardant: Yes Hardness: 50 Shore A Curing Method: Room Temperature Or Heat Cure Material: Silicone Thermally Conductive Compound Thermal Conductivity Material Heat Conductive Compound Silicone Thermal Compound

Technical Parameters:

Attribute	Value
Curing Method	Room Temperature Or Heat Cure
Operating Temperature Range	-40°C To 200°C
Material	Silicone
Hardness	50 Shore A
Thickness	1mm
Chemical Resistance	Excellent
Color	Blue
Thermal Conductivity	1.5 W/mK

Application Method	Dispensing Or Brushing
Dielectric Strength	10 KV/mm

Applications:

Thermally Conductive Material: Efficient Heat Transfer for Various Applications

Thermally conductive materials, also known as heat conducting materials, are essential components in various industries and products. These materials are designed to efficiently transfer heat from one point to another, making them crucial in maintaining the proper operating temperature of electronic devices and other equipment. One of the top-performing thermally conductive materials in the market is the Thermally Conductive Material, with its exceptional properties and versatile application methods. Product Attributes:

Dielectric Strength: 10KV/mm

Application Method: Dispensing Or Brushing

Density: 1.73 G / Cbm

Operating Temperature Range: -40°C To 200°C

Thickness Tolerance: ±0.001" (±0.025mm)

Let's take a closer look at how this exceptional product can be used in various applications. Electronics Industry:

In the electronics industry, efficient heat dissipation is crucial in ensuring the optimal performance and longevity of electronic devices. The Thermally Conductive Material is an excellent thermal conductive adhesive that can be used to bond heat sinks and electronic components, ensuring efficient heat transfer and electrical insulation. Its high thermal conductivity and operating temperature range make it suitable for use in a wide range of electronic products, including computers, smartphones, and LED lighting. Automotive Industry:

The automotive industry relies heavily on thermally conductive materials to ensure the proper functioning of various components in a vehicle. The Thermally Conductive Material can be used in engine compartments to bond heat sinks and dissipate heat from critical components such as the engine control module and power steering unit. Its high dielectric strength also makes it suitable for use in electric and hybrid vehicles.

Solar Panel Manufacturing:

In the production of solar panels, the efficiency of heat transfer is crucial in ensuring maximum energy output. The Thermally Conductive Material can be used as a bonding agent for solar cells, allowing for efficient heat dissipation and electrical insulation. Its high thermal conductivity and ability to withstand extreme temperatures make it an ideal choice for this application. Industrial Applications:

In various industrial processes, the use of thermally conductive materials is essential in maintaining the proper operating temperature and preventing equipment failure. The Thermally Conductive Material can be applied using dispensing or brushing methods to bond heat sinks and dissipate heat from critical components such as motors, transformers, and power supplies. Its precise thickness tolerance also ensures uniform heat transfer and optimal performance.

Overall, the Thermally Conductive Material is a versatile and high-performing product that offers efficient heat transfer and electrical insulation in various applications. Its exceptional properties and application methods make it a top choice for industries that rely on efficient heat dissipation for optimal performance and longevity of their products and equipment.

Customization:

Customization Service for Thermally Conductive Material

Product Name: Thermally Conductive Compound

Product Type: Thermal Conductive Putty

Product Code: TC-01

This product is designed to provide excellent thermal conductivity and is suitable for various industrial applications. It is a thermally conductive compound with a strong adhesion strength and a hardness of 50 Shore A. It can be applied through dispensing or brushing methods and has a wide operating temperature range of -40°C to 200°C. Its chemical resistance is rated as excellent, making it a reliable choice for demanding environments.

Our customization service for the Thermally Conductive Material includes tailored solutions to meet the specific requirements of our customers. We understand that every industry and application has different needs, and we strive to provide the best solution for each one. Key Features:

Excellent Chemical Resistance

Strong Adhesion Strength

50 Shore A Hardness

-40°C to 200°C Operating Temperature Range

Application Methods: Dispensing or Brushing

With our customization service, we can modify the properties of the thermally conductive compound to suit your specific application. We can adjust the adhesion strength, hardness, and operating temperature range according to your requirements. We can also provide guidance on the best application method for your particular use case.

Our Thermally Conductive Material is ideal for use in electronic components, LED lighting, automotive parts, and many other industrial applications. With our customization service, you can be sure that the product will meet your exact needs and provide efficient heat dissipation, ensuring the longevity and reliability of your products.

Contact us today to learn more about our Customization Service for Thermally Conductive Material and how we can help you find the perfect solution for your thermal management needs.

Packing and Shipping:

Packaging and Shipping for Thermally Conductive Material

Our Thermally Conductive Material is carefully packaged to ensure safe and secure delivery to our customers. Each order is packed in a sturdy box or pallet, depending on the quantity ordered, to protect the product during transit.

 We also take great care in labeling each package with clear and concise information, including the product name, quantity, and any special handling instructions. For international orders, we comply with all necessary customs and shipping regulations to ensure a smooth delivery process. Our experienced logistics team works closely with trusted shipping partners to ensure timely and efficient delivery to our customers around the world. Once your order is shipped, we will provide you with a tracking number so you can monitor the status of your delivery. If any issues arise during the shipping process, our customer service team is available to assist and resolve any problems. Thank you for choosing our Thermally Conductive Material. We are committed to providing a high-quality product and a seamless shipping experience. If you have any questions or concerns, please don't hesitate to contact us. 				
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