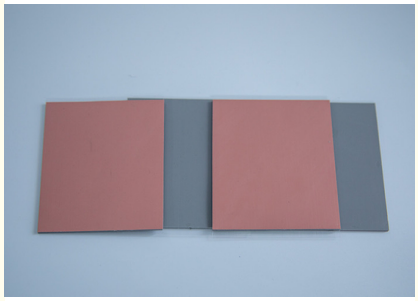
Industrial Thermally Conductive Silicone 0.5mm - 10mm Thickness 1.5 W/MK

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: zhonglei
- Minimum Order Quantity: 100 m²
- Packaging Details: carton
- Supply Ability: 10000



Product Specification

- Material: Silicone
- Flame Retardant: Yes
- Thermal Conductivity: 1.5 W/mK
- Dielectric Strength: 10 KV/mm
- Density: 1.73 G / Cbm
- Thickness: 0.5~10mm
- Highlight: **Industrial Thermally Conductive Silicone**, **Thermally Conductive Silicone 10mm**, **Thermal Conductive Silicone 0.5mm**

Product Description

Product Description:

One of the key features of this thermal conductive putty is its ability to effectively transfer heat from one surface to another. It is designed to provide excellent thermal conductivity, making it ideal for use in electronic devices, automotive applications, and other industrial settings where heat dissipation is critical. This material is also highly resistant to thermal shock, allowing it to maintain its performance even in extreme temperature fluctuations.
The Thermally Conductive Material product has an operating temperature range of -50°C to 200°C, making it suitable for use in a wide range of environments. It can be applied to various surfaces, including metals, plastics, and ceramics, and can be easily molded to fit specific shapes and sizes. This product is also highly adhesive, ensuring a strong and reliable bond between the material and the surface it is applied to.
In addition to its thermal conductivity properties, the Thermally Conductive Material product is also known for its excellent electrical insulation properties. This makes it an ideal choice for use in electronic devices, where it can help to prevent electrical shorts and other issues that can arise from poor insulation. It is also highly resistant to moisture and other environmental factors, ensuring long-lasting performance even in harsh conditions.
Overall, the Thermally Conductive Material product is a highly effective and versatile thermal conductive compound that can be used in a wide range of applications. Its unique combination of thermal conductivity, electrical insulation, and durability makes it an ideal choice for use in demanding environments where reliable performance is critical. Whether you are working with electronics, automotive applications, or other industrial settings, this product is sure to meet your needs and exceed your expectations.

Features:

Product Name: Thermally Conductive Material

Material: Silicone

Thermal Conductivity: 1.5 W/mK

Density: 1.73 G / Cbm

Hardness: 50 Shore A

This Thermally Conductive Material is a heat conductive substance that can be used as a thermal conductivity material or thermal conductive adhesive.

Technical Parameters:

Technical Parameter	Value
Product Name	Thermal Transmission Material / Heat Conductive Substance
Density	1.73 G / Cbm
Thickness	0.5~10MM
Color	Grey
Chemical Resistance	Excellent
Dielectric Strength	10 KV/mm
Thermal Conductivity	1.5 W/mK
Flame Retardant	Yes

Applications:

One of the most common uses for Thermally Conductive Compound is in the electronics industry. This Heat Conductive Substance is perfect for use in electronic devices such as computers, smartphones, and tablets. It is an ideal solution for dissipating heat away from sensitive components within these devices. The silicone-based material ensures that it will not damage or interfere with the electronic components.
Another scenario where the Thermal Conductivity Material can be used is in the automotive industry. This Heat Conductive Substance is commonly used in engine components such as cylinder heads and exhaust manifolds. The Thermally Conductive Material ensures that heat is dissipated away from these components effectively, increasing the lifespan and efficiency of the engine. The material's strong adhesion strength ensures that it will not dislodge or deteriorate over time.
The construction industry can also benefit from the use of the Thermally Conductive Compound. It is commonly used in roofing applications to improve thermal conductivity. The silicone-based material ensures excellent chemical resistance, making it suitable for harsh outdoor environments. The Thermally Conductive Material can also be used in other construction applications such as insulation and flooring.
The zhonglei brand's Thermally Conductive Material is also ideal for use in the medical industry. It can be used in medical devices such as ultrasound equipment and MRI machines. The Dielectric Strength of 10KV/mm ensures that the material is safe to use in medical equipment that requires electrical insulation. The excellent chemical resistance of the material ensures that it will not deteriorate or react with any chemicals used in medical procedures.
In conclusion, the zhonglei brand's Thermally Conductive Material is a versatile product suitable for use in various product application occasions and scenarios. Its excellent chemical resistance, strong adhesion strength, and flame retardant properties make it a reliable and safe solution for any project. Whether it is in the electronics, automotive, construction, or medical industry, the Thermally Conductive Material is the perfect Heat Conductive Substance to get the job done.

Customization:

Thermally Conductive Material with zhonglei's Product Customization Services. Our **Thermal Conductivity Material** is made of high-quality silicone from China, ensuring excellent chemical resistance, with a tensile strength of 48 Psi. Our customization services allow you to choose the **Thickness Tolerance** of your **Thermally Conductive Compound** , with an option of ±0.001" (±0.025mm). Our **Thermal Conductivity Material** can be operated within a temperature range of -40°C to 200°C, making it an ideal choice for various applications.

Support and Services:

Our Thermally Conductive Material product is designed to provide high thermal conductivity and low thermal resistance for electronic devices and components. Our technical support team is available to assist with any questions or issues related to the product's performance, application, and installation.
In addition, we offer a range of services to support our customers' needs, including material testing, product customization, and technical training. Our aim is to ensure that our customers have access to the best possible solutions to meet their specific requirements.
Please contact us for more information on our technical support and services.

Packing and Shipping:

Product Packaging:
The Thermally Conductive Material product will be packaged in a sturdy cardboard box with foam padding to ensure safe transport. Each unit will be individually wrapped in plastic to prevent any moisture or dust from entering the package.
Shipping:
The product will be shipped via a reputable courier service such as FedEx or UPS. Customers will be provided with a tracking number so they can monitor the progress of their delivery. Shipping times will vary depending on the destination, but we aim to deliver all orders within 1-2 business days for domestic shipments and 3-5 business days for international shipments.

FAQ:

Q: What is the brand name of this thermally conductive material?
A: The brand name of this product is zhonglei.
Q: Where is this thermally conductive material made?
A: This product is made in China.
Q: What applications is this thermally conductive material suitable for?
A: This thermally conductive material is suitable for various applications including electronic devices, LED lighting, automotive electronics, and power supplies.
Q: What is the thermal conductivity of this material?
A: The thermal conductivity of this material is [insert value] W/mK.
Q: What are the available forms of this thermally conductive material?
A: This thermally conductive material is available in various forms including sheets, tapes, and adhesives.

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