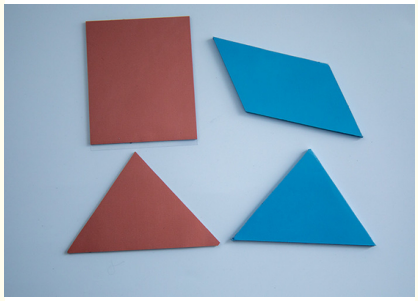
4.0 W/mk 2mm Thickness Thermally Conductive Silicone Gasket Laminated PI Film

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
- Chemical Resistance: Excellent
- Thickness: 2mm
- Curing Method: Room Temperature Or Heat Cure
- Adhesion Strength: Strong
- Dielectric Strength: 10 KV/mm
- Operating Temperature Range: -40°C To 200°C
- Tensile Strength: 48 Psi
- Highlight: **4.0 W/mk Thermally Conductive Silicone**, **2mm Thermally Conductive Silicone**

Product Description

Product Description:

Thermally Conductive Material

Thermally Conductive Material is a high-performance silicone-based adhesive that is specially designed for thermal conduction applications. It is a grey-colored, high-density material with a density of 3 G / Cbm, making it an ideal choice for various industrial and electronic applications.

Key Features

Thermal Conductivity: Our Thermally Conductive Material is known for its excellent thermal conductivity properties, making it an ideal choice for heat transfer applications. It can effectively transfer heat from one surface to another, ensuring efficient thermal management.

High Temperature Resistance: This material is specially formulated to withstand high temperatures, making it suitable for use in extreme environments. It can withstand temperatures up to 200°C, making it a reliable choice for various industrial applications.

Electrical Insulation: Our Thermally Conductive Material is also known for its excellent electrical insulation properties, making it safe and reliable for use in electronic applications. It can effectively prevent electrical short circuits and other electrical hazards.

Room Temperature or Heat Cure: This product can be cured either at room temperature or with the application of heat, providing flexibility and convenience for different applications.

Thickness Tolerance: Our Thermally Conductive Material has a thickness tolerance of ±0.001" (±0.025mm), ensuring precise and consistent application for optimal performance.

Applications

Thermally Conductive Material is widely used in various industrial and electronic applications, including but not limited to:

Heat sinks and heat transfer devices

LED lighting and display systems

Automotive electronics

Solar panels

Power supplies

Electronic devices and components

With its excellent thermal conductivity, high temperature resistance, and electrical insulation properties, our Thermally Conductive Material is a reliable choice for a wide range of applications.

Features:

Product Name: Thermally Conductive Material

Flame Retardant: Yes

Tensile Strength: 48 Psi

Dielectric Strength: 10 KV/mm

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

Adhesion Strength: Strong

Heat Conducting Material

Heat Conductive Compound

High Thermal Conductivity

Electrical Insulation

Technical Parameters:

Thermally Conductive Material	Technical Data
Chemical Resistance	Excellent
Curing Method	Room Temperature Or Heat Cure
Adhesion Strength	Strong
Thickness Tolerance	±0.001" (±0.025mm)
Hardness	50 Shore A
Application Method	Dispensing Or Brushing
Tensile Strength	48 Psi
Operating Temperature Range	-40°C To 200°C
Color	Blue
Thickness	2mm

Applications:

Thermally Conductive Material - Application and Scenarios

Curing Method:
Room Temperature Or Heat Cure
Color:
Blue
Thickness:
2mm
Tensile Strength:
48 Psi
Chemical Resistance:
Excellent

What is Thermally Conductive Material?

Thermally Conductive Material is a type of adhesive that is specifically designed for efficient heat transfer. It is commonly used in electronic devices and other applications where heat dissipation is crucial.
Application and Scenarios

Thermally Conductive Material has a wide range of applications and can be used in various scenarios. Some of the common applications and scenarios include:
1. Electronics Industry

In the electronics industry, Thermally Conductive Material is used for bonding heat sinks, transistors, power modules, and other components to ensure efficient heat transfer. It is also used for bonding LED lights and display screens, as these devices generate a significant amount of heat.
2. Automotive Industry

In the automotive industry, Thermally Conductive Material is used for bonding engine components and automotive electronics. It helps to dissipate heat and improve the overall performance of the vehicle.
3. Aerospace Industry

In the aerospace industry, Thermally Conductive Material is used for bonding components in spacecraft and satellites. As these devices operate in extreme temperatures, it is essential to have a reliable heat conducting material to prevent any malfunctions.
4. Medical Industry

In the medical industry, Thermally Conductive Material is used in medical equipment, such as MRI machines and ultrasound devices, which generate a significant amount of heat. It is also used in medical implants to ensure proper heat dissipation and prevent any damage to surrounding tissues.
Key Features of Thermally Conductive Material

High Thermal Conductivity - Thermally Conductive Material has excellent heat conducting properties, making it an ideal choice for applications that require efficient heat transfer.

Easy Application - This material can be easily applied using a brush, roller, or automated dispensing equipment, making it suitable for mass production.

Room Temperature or Heat Cure - Depending on the application, Thermally Conductive Material can be cured at room temperature or with heat, providing flexibility and convenience.

Chemical Resistance - This material has excellent chemical resistance, making it suitable for use in harsh environments.

Durable - With a tensile strength of 48 Psi, Thermally Conductive Material provides a strong and reliable bond, ensuring long-lasting performance.

Color Options - This material is available in various colors, including grey, to match the aesthetic requirements of different applications.

Customizable Thickness - Thermally Conductive Material is available in various thicknesses, with the standard being 0.06 (1.524mm). However, it can be customized to meet specific requirements.

Contact Us for More Information

Customization:

Thermal Conductivity Material - Customization Service

Thermal Conductivity Material is a highly efficient and versatile compound used in various industries for its excellent thermal conductivity properties. At our company, we offer a premium customization service for our Thermally Conductive Material to meet the specific needs of our customers.
Product Attributes

Thickness Tolerance: ±0.001” (±0.025mm)

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

Density: 3 G / Cbm

Application Method: Dispensing Or Brushing

Adhesion Strength: Strong

Our Thermally Conductive Compound is manufactured with precision and consistency, ensuring a thickness tolerance of ±0.001” (±0.025mm). This allows for a perfect fit and maximum performance in any application.
With an operating temperature range of -40°C to 200°C, our Thermal Conductive Material can withstand extreme hot and cold temperatures without compromising its thermal conductivity properties. This makes it ideal for use in a wide range of environments and applications.
Our Thermally Conductive Compound has a density of 1.73 G / Cbm, making it lightweight and easy to handle. This allows for easy application and ensures that it does not add unnecessary weight to your product.
Our Customization Service allows for various application methods, including dispensing or brushing. This ensures that our Thermally Conductive Material can be easily applied to any surface, making it a versatile solution for any project.
One of the key features of our Thermally Conductive Compound is its strong adhesion strength. This ensures that it stays in place once applied, providing a reliable and long-lasting thermal conductivity solution for your product.
In conclusion, our Customization Service for Thermal Conductivity Material offers a high-quality and tailored solution for all your thermal conductivity needs. Contact us today to learn more about our products and services.

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