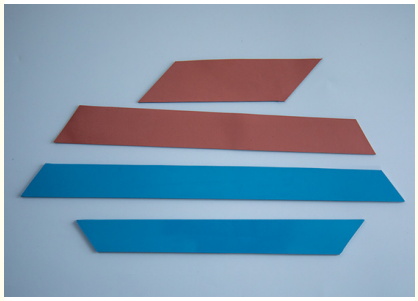
Flame Retardant Thermally Conductive Silicone Sheet High Compressibility

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

- Thickness Tolerance: ±0.001” (±0.025mm)
- Hardness: 50 Shore A
- Adhesion Strength: Strong
- Chemical Resistance: Excellent
- Curing Method: Room Temperature Or Heat Cure
- Color: BLue/Red
- Density: 2 G / Cbm
- Highlight: **Flame Retardant Thermally Conductive Silicone Sheet** , **Thermally Conductive Silicone High Compressibility**

Product Description

Product Description:

Thermally Conductive Material - Product Overview

Welcome to the product overview page for Thermally Conductive Material, the top choice for thermal conductivity and flame retardant properties. Our high-quality silicone material is perfect for a variety of applications and can be easily applied through dispensing or brushing methods.

Thermal Conductivity

Thermally Conductive Material boasts a thermal conductivity of 2W/mK, making it one of the most efficient materials for heat transfer. This high thermal conductivity ensures that heat is dissipated quickly and effectively, making it ideal for use in electronic devices, heat sinks, and other applications where temperature management is crucial.

Flame Retardant Properties

Safety is our top priority, which is why Thermally Conductive Material is also flame retardant. Our material has been tested and certified to meet the highest fire safety standards, giving you peace of mind when using it in your products. Whether it's in industrial or consumer applications, our flame retardant material will provide an added layer of protection.

Quality Silicone Material

Our Thermally Conductive Compound is made from high-quality silicone, ensuring durability and reliability in any application. Silicone is known for its excellent thermal and electrical insulation properties, and it also has a wide temperature range, making it suitable for use in various environments.

Application Methods

We understand that every application is unique, which is why we offer two convenient application methods for Thermally Conductive Material. It can be easily dispensed using a dispensing machine, allowing for precise and consistent application. Alternatively, it can also be applied using a brush, giving you more control over the amount and placement of the material.

Thank you for choosing Thermally Conductive Material as your trusted thermal conductivity material supplier. Our product's high thermal conductivity, flame retardant properties, and versatile application methods make it the perfect choice for your next project. Contact us today to learn more or to place an order.

Features:

Product Name: Thermally Conductive Material

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

Color: Grey

Material: Silicone

Hardness: 50 Shore A

Flame Retardant: Yes

Thermal Conduction Material

Heat Conductive Substance

Thermal Conductive Putty

Technical Parameters:

Thermal Conductive Putty	Technical Parameters
Thermal Transmission Material	
Thermal Conduction Material	
Heat Sink Material	
Adhesion Strength	Strong
Material	Silicone
Operating Temperature Range	-50°C To 200°C
Dielectric Strength	10KV/mm
Chemical Resistance	Excellent
Thickness Tolerance	±0.001” (±0.025mm)
Hardness	50 Shore A
Tensile Strength	48 Psi
Flame Retardant	Yes

Applications:

Thermally Conductive Material

Product Description

Thermally Conductive Material, also known as Thermal Conductive Adhesive or Thermal Transmission Material, is a highly efficient material designed to transfer heat from one surface to another. It is commonly used in electronic devices and industrial applications to dissipate heat and prevent overheating.

Application Scenarios

Electronics: The main application of Thermally Conductive Material is in the electronics industry. It is used in devices such as computers, smartphones, and LED lights to transfer heat away from sensitive components and keep them functioning at optimal temperatures.

Automotive: With the increasing use of electronic components in vehicles, Thermally Conductive Material is also being utilized in the automotive industry. It is used to transfer heat away from engine components, batteries, and electronic systems to improve overall performance and prevent damage.

Industrial Machinery: In industrial settings, machinery and equipment generate a lot of heat, which can affect their efficiency and lifespan. Thermally Conductive Material is used to dissipate heat from motors, transformers, and other components, ensuring they operate smoothly and last longer.

Solar Panels: Solar panels also benefit from the use of Thermally Conductive Material. By applying it to the back of the panels, heat is transferred away from the delicate solar cells, improving their efficiency and prolonging their lifespan.

Lighting: In the lighting industry, Thermally Conductive Material is used to transfer heat away from LED bulbs, which are known to produce a lot of heat. This not only helps to maintain their brightness but also prolongs their lifespan.

Product Attributes

Attribute	Description
Dielectric Strength	With a dielectric strength of 4.5 KV/mm, Thermally Conductive Material is a highly efficient insulator, making it safe to use in electronic devices.
Chemical Resistance	Thermally Conductive Material has excellent chemical resistance, making it suitable for use in harsh environments where exposure to chemicals is expected.
Curing Method	This product can be cured at room temperature or through heat curing, providing flexibility in application and allowing for faster curing times.
Tensile Strength	With a tensile strength of 48 Psi, this material is highly durable and can withstand a significant amount of stress and pressure.
Flame Retardant	Thermally Conductive Material is flame retardant, providing an added layer of safety in electronic devices and industrial settings.

Customization:

Thermally Conductive Material Customization Service

Product Name: Thermal Conductive Material
Hardness: 50 Shore A
Flame Retardant: Yes
Thermal Conductivity: 2W/mK
Key Features:
Thermal Conductive Adhesive
Thermal Conductive Putty
Heat Conducting Material

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