

# 2 W/mK Soft Thermal Conductive Silicone Sealant Gap Filler Pad 10 Psi Tensile Strength

# **Basic Information**

- Place of Origin:
- Brand Name: zhonglei

China

100 m<sup>2</sup>

- 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 Sharahai Zhanatai Electric Material Co., Ltd

## **Product Specification**

Highlight:	2 W/mK Thermal Conductive Silicone Sealant, Thermal Conductive Silicone Sealant 10 Psi,
• Thermal Conductivity:	2 W/mK
Tensile Strength:	10 Psi
Material:	Silicone
Application Method:	Dispensing Or Brushing
Density:	1.73 G / Cbm
Hardness:	25 Shore A
Thickness Tolerance:	±0.001" (±0.025mm)
Adhesion Strength:	Strong

Soft Thermal Conductive Silicone Sealant 10 P

#### **Product Description:**

This Thermal Conductive Compound is designed to efficiently transfer heat from electronic components to heat sinks or other cooling devices, eliminating the risk of overheating and prolonging the lifespan of electronic devices. This makes it an ideal choice for use in electronic devices such as LED lighting, power supplies, and other electronic components that generate heat.

In addition to its impressive thermal conductivity, our Thermally Conductive Silicone product also boasts excellent chemical resistance, making it highly durable and resistant to corrosion. Its dielectric strength of 10KV/mm ensures that it can withstand high voltages without breaking down, making it a reliable choice for use in electrical applications.

Our Thermal Conductive Adhesive is made from high-quality silicone material, which has a tensile strength of 48 Psi, making it strong and durable. This ensures that it can hold components securely in place, even in high-vibration environments.

Our Thermally Conductive Compound is easy to apply, making it an ideal choice for both small and large-scale applications. It can be applied using a brush, roller, or spray, depending on the application requirements.

Overall, our Thermally Conductive Silicone product is an excellent choice for anyone seeking a high-quality, durable, and efficient thermal management solution for their electronic devices. Its impressive thermal conductivity, chemical resistance, and dielectric strength make it a reliable choice for use in a wide range of industrial and commercial applications.

#### Features:

Product Name: Thermally Conductive Silicone Application Method: Dispensing Or Brushing Material: Silicone Operating Temperature Range: -40°C To 200°C Adhesion Strength: Strong Tensile Strength: 10 Psi This Thermally Conductive Silicone is perfect for use as a Thermally Conductive Compound or Thermal Conductive Putty

#### **Technical Parameters:**

Technical Parameter	Value
Tensile Strength	10 Psi
Application Method	Dispensing Or Brushing
Dielectric Strength	10 KV/mm
Curing Method	Room Temperature Or Heat Cure
Thickness	2mm
Color	Grey/Yellow/Red
Material	Silicone
Adhesion Strength	Strong
Flame Retardant	Yes
Hardness	25 Shore A

This Thermal Conductivity Material, also known as Thermal Conductive Putty or Heat Conductive Compound, is perfect for applications requiring strong adhesion and heat transfer.

#### **Applications:**

The Thermally Conductive Silicone is a heat conductive substance, with a thermal conductivity of 2 W/mK. This makes it an ideal choice for applications where efficient heat dissipation is required. Its tensile strength of 48 Psi ensures that it can withstand the demands of various applications.

The density of the Thermally Conductive Silicone is 1.73 G / Cbm, making it a lightweight but durable option. Its thickness tolerance of  $\pm 0.001$ " ( $\pm 0.025$ mm) ensures precision in every application.

Here are some of the occasions and scenarios where the Thermally Conductive Silicone can be used:

**Electronic Devices:** The Thermally Conductive Silicone is an excellent thermal conductivity material for electronic devices. It can be used in smartphones, laptops, and other electronic devices to dissipate heat effectively.

Automotive Industry: The Thermally Conductive Silicone is an ideal choice for the automotive industry. It can be used in engines, transmissions, and other components to effectively transfer heat away from critical components.

**LED Lighting:** The Thermally Conductive Silicone is a popular choice for LED lighting applications. It can be used to dissipate heat effectively and ensure that the LED lights operate at optimal temperatures.

**Solar Panels:** The Thermally Conductive Silicone is an excellent choice for solar panel applications. It can be used to transfer heat away from the solar cells, ensuring that they operate at maximum efficiency.

Overall, the Thermally Conductive Silicone product from zhonglei is a versatile and reliable option for a wide range of applications. Its excellent thermal conductivity, chemical resistance, and durability make it an ideal choice for various industries and scenarios.

#### **Customization:**

Our zhonglei brand Thermally Conductive Silicone is a top-quality Thermal Conductive Putty that is perfect for use as a Thermal Transmission Material and Heat Conductive Compound. Our product is made using high-quality Silicone material and has a hardness of 25 Shore A, which ensures that it is durable and long-lasting. Our Thermally Conductive Silicone is manufactured in China, which guarantees that it is of the highest quality.

Our product has strong adhesion strength, which makes it perfect for use in high-stress environments. It has a density of 1.73 G / Cbm, which ensures that it is easy to handle and apply. Our Thermally Conductive Silicone is also flame retardant, which makes it safe for use in a wide range of applications.

We offer a range of Product Customization Services to ensure that our customers get the best possible product for their specific requirements. Whether you need a different hardness level, adhesion strength, or density, we can customize our product to meet your needs.

#### Support and Services:

### **Packing and Shipping:**

#### Product Packaging:

The Thermally Conductive Silicone product will be packaged in a sturdy and secure container to prevent any damage during shipping. The product will be sealed to ensure that it stays fresh and ready for use.

Shipping:

The product will be shipped via standard ground delivery to ensure prompt and safe arrival. We will provide a tracking number once the product has shipped so that you can follow its progress.

### FAQ:

Here are some frequently asked questions (FAQs) about our Thermally Conductive Silicone:

**Q: What is Thermally Conductive Silicone?** 

A: Thermally Conductive Silicone is a type of silicone material that has high thermal conductivity. It is designed to effectively transfer heat away from electronic components, which helps to improve their performance and lifespan.

Q: What makes zhonglei Thermally Conductive Silicone different from other brands?

A: Our Thermally Conductive Silicone is made with high-quality materials and advanced manufacturing processes in China. It has excellent thermal conductivity and is highly reliable, making it ideal for a wide range of applications.

Q: What are the typical applications for zhonglei Thermally Conductive Silicone?

A: Our Thermally Conductive Silicone can be used in a variety of applications, including LED lighting, power supplies, automotive electronics, and more. It is particularly effective for devices that generate a lot of heat and require efficient heat dissipation. Q: Is zhonglei Thermally Conductive Silicone easy to apply?

A: Yes, our Thermally Conductive Silicone is easy to apply. It can be dispensed using a standard caulking gun or applied using a brush or spatula. It is also self-leveling, which helps to ensure even coverage and optimal thermal performance.

#### Q: Is zhonglei Thermally Conductive Silicone safe to use?

A: Yes, our Thermally Conductive Silicone is safe to use. It is non-toxic, non-corrosive, and does not contain any hazardous substances. It is also highly stable and does not degrade over time, ensuring long-term reliability and performance.

