



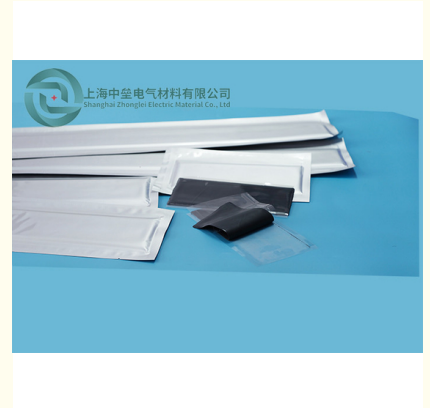
ZL525W Silicone Self Curing Pad Chemical Resistant 1.5 - 2 MPa Tensile Strength

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: zhonglei
- Model Number: ZL525W
- Minimum Order Quantity: 300PCS



Product Specification

- Hardness: Shore A 30-80
- Size: Customizable
- Application: Busbar Waterproof Insulation, Electrical Connector Insulation And Waterproofing, Insulation Repair For Cables, Sealed And Insulated Protection Of Overhead Line Clamps, Insulation Protection For Exposed Metal Positions Of Power Conductors, Used For The Partial I
- Chemical Resistance: Excellent
- Dielectric Constant: 3.45
- Self-Curing Time: 24 Hours
- Color: Black
- Tensile Strength: 1.5-2 MPa

Product Description

Product Description:

The Self Curing Silicone Pad is a state-of-the-art product that boasts an impressive array of features tailor-made for a variety of industrial and consumer applications. This innovative pad is crafted from high-quality silicone materials that provide a reliable and durable solution for any setting that demands excellent electrical insulation and robust physical properties.

One of the most noteworthy characteristics of the Self Curing Silicone Pad is its exceptional electrical insulation capacity. This makes it an ideal choice for use in electrical and electronic industries where it can serve as a protective layer, preventing unwanted electrical currents from causing damage or interference. The silicone pad ensures that sensitive components are shielded from the potential hazards of electrical conductivity, thereby enhancing the safety and longevity of the equipment it is used with.

The hardness of the Self Curing Silicone Pad is another commendable feature. With a Shore A hardness ranging from 30 to 80, it provides a versatile solution that can be adapted to suit various requirements. A lower Shore A value indicates a softer pad, which can be used in applications where flexibility and adaptability are key. Conversely, a higher Shore A value corresponds to a firmer pad, suitable for situations where rigidity and stability are paramount. This range affords users the ability to select the ideal hardness for their specific needs, whether it be cushioning delicate components or providing a stable mounting surface.

One of the most significant advantages of the Self Curing Silicone Pad is its self-curing property. The pad cures on its own within 24 hours, eliminating the need for additional curing agents or specialized equipment. This self-curing ability simplifies the installation process and ensures that the pad is ready for use in a timely manner. It is particularly beneficial in scenarios where time is of the essence and the quick turnaround of machinery or systems is necessary. The convenience of the self-curing feature cannot be overstated, as it streamlines maintenance and repair operations.

The Self Curing Silicone Pad also exhibits formidable tensile strength, ranging from 1.5 to 2 MPa. This measure of strength indicates the pad's ability to withstand stretching forces without tearing, ensuring that it maintains its integrity under strain. This quality is crucial in applications where the pad is subjected to mechanical stress, as it guarantees that the pad will perform reliably under challenging conditions. The high tensile strength of the Self Curing Silicone Pad is a testament to its durability and resistance to physical deformation. Furthermore, the elongation at break of the Self Curing Silicone Pad is impressive, standing at 300-500%. This metric refers to the pad's ability to stretch to several times its original length before breaking. Such a high elongation rate underscores the pad's flexibility and resilience, enabling it to absorb impacts and adapt to irregular surfaces without compromising its structural integrity. Whether it is used to dampen vibrations, seal gaps, or provide a flexible joint, the Self Curing Silicone Pad is up to the task.

In summary, the Self Curing Silicone Pad is a versatile, high-performance product that excels in electrical insulation, hardness customization, self-curing convenience, tensile strength, and elongation capacity. Its range of features makes it an indispensable tool in industries that require reliable, long-lasting, and adaptable silicone solutions. The Self Curing Silicone Pad is truly a testament to modern material engineering, providing a fusion of convenience and performance for a multitude of applications.

Features:

Product Name: Self Curing Silicone Pad

Color: Black

Application: Busbar Waterproof Insulation

Application: Electrical Connector Insulation And Waterproofing

Application: Insulation Repair For Cables

Application: Sealed And Insulated Protection Of Overhead Line Clamps

Application: Insulation Protection For Exposed Metal Positions Of Power Conductors

Application: Used For The Partial Insulation Restoration Of Overhead Wires

Application: Used For Insulating The Bare Metal Parts Within Switchgear

UV Resistance: Good

Tear Strength: 1.5~2Mpa

Elongation At Break: 300-500%

Technical Parameters:

Attribute	Details
Shelf Life	12 Months
UV Resistance	Good
Chemical Resistance	Excellent
Material	Silicone
Electrical Insulation	Excellent
Self-Curing Time	24 Hours
Color	Clear
Elongation At Break	300-500%
Temperature Resistance	-40~85°C
Size	Customizable

Applications:

The zhonglei Self Curing Silicone Pad is a versatile product designed to offer exceptional performance across a wide variety of application occasions and scenarios. Originating from China, this robust pad is engineered to withstand extreme temperatures, remaining stable and effective at up to -40~85°C. The unique characteristics of the pad, including its hardness, which ranges from Shore A 30-80, and its impressive tensile strength of 1.5-2MPa, make it an ideal choice for applications requiring a durable and resilient material. The Self Curing Silicone Pad by zhonglei is further characterized by its high tear strength of 10-30 N/mm, ensuring that it maintains integrity under demanding conditions. Its elongation at break of 300-500% attests to its flexibility and capacity to stretch without losing its form or function. These properties make the Self Curing Silicone Pad suitable for industries where reliability and longevity are paramount. In the automotive sector, the Self Curing Silicone Pad can be used as gaskets or seals that must endure high temperatures and mechanical stress. The material's resistance to heat and pressure makes it ideal for use in engine compartments or near exhaust systems. Similarly, in the aerospace industry, these pads can be utilized in the construction of components that experience extreme temperature fluctuations and require materials that can self-cure in situ. The electronics industry also benefits from the use of the zhonglei Self Curing Silicone Pad. Its excellent thermal stability and electrical insulation properties make it a preferred choice for fabricating protective layers for circuit boards, or as a heat-dissipating material in devices that generate significant amounts of heat during operation. Additionally, the food and beverage sector can employ these silicone pads in processing equipment due to their temperature resistance and the fact that silicone is generally considered safe for contact with consumables. The medical field is another area where the Self Curing Silicone Pad finds usage, particularly in the creation of flexible, heat-resistant components for medical devices that require sterilization at high temperatures. The adaptability of the Self Curing Silicone Pad extends to the realm of consumer goods, where it can be utilized in the manufacturing of heat-resistant kitchenware, such as oven mitts and trivets, or in protective covers and cases for electronic gadgets. Its ability to cure itself makes it an attractive option for DIY repairs and crafts, where users can apply it as a sealant or cushioning material. Overall, the zhonglei Self Curing Silicone Pad is a product of exceptional quality and versatility, suitable for a myriad of applications across diverse industries. Its outstanding temperature resistance, combined with its strength and durability, ensures that it can meet the demands of various environments, whether it be the heat of an engine or the controlled conditions of a laboratory.

Customization:

Introducing the zhonglei Self Curing Silicone Pad, a premier product with exceptional customization services, tailored to your specific needs. Our Self Curing Silicone Pad is renowned for its outstanding properties and versatility.

Brand Name: zhonglei

Place of Origin: China

Available in a range of hardness levels from Shore A 30-80, the zhonglei Self Curing Silicone Pad can be adapted to suit your application requirements. With its innate clarity, the pad maintains a clear appearance, ensuring an aesthetically pleasing finish.

This premium Self Curing Silicone Pad is designed to cure itself within a 24-hour timeframe, providing a practical solution for efficient operations. Its impressive tensile strength lies between 1.5-2MPa, demonstrating the product's durability and resilience under stress. Moreover, the zhonglei Self Curing Silicone Pad exhibits a remarkable tear strength of 10-30 N/mm, highlighting its capacity to withstand challenging conditions without compromising on performance. Choose the Self Curing Silicone Pad for a dependable and high-quality solution to your needs.

Support and Services:

The Self Curing Silicone Pad is designed to offer reliable and easy-to-use solutions for a variety of sealing and cushioning applications. Our technical support and services ensure that you can maximize the benefits of this product with confidence. We provide comprehensive guidelines for the proper use and handling of the Self Curing Silicone Pad to ensure optimal performance and longevity. Our services include detailed product documentation that covers the specifications, properties, and curing instructions for the silicone pad. We also offer troubleshooting support to address any issues you may encounter during the application process. Our team of experts is available to provide advice on best practices for storage, cutting, and application to ensure the silicone pad meets your specific needs. In addition to our technical support, we continuously strive to improve our products based on customer feedback and industry advancements. We are committed to providing you with the highest quality support for our Self Curing Silicone Pad to ensure your projects are successful and that our products exceed your expectations.

Packing and Shipping:

Product Packaging for Self Curing Silicone Pad:

Each Self Curing Silicone Pad is individually sealed in a protective plastic sleeve to prevent contamination and preserve its curing properties. The silicone pad is then carefully placed in a durable cardboard box with custom-fitted foam inserts to ensure that the pad remains secure and undamaged during transport. The box is sealed with heavy-duty packing tape and labeled with the product name, handling instructions, and any relevant warning labels.

Shipping Instructions for Self Curing Silicone Pad:

The product is shipped in a corrugated cardboard carton designed to withstand the rigors of transit. Inside the carton, the product box is surrounded by cushioning material to prevent movement and absorb shock. The shipping carton is taped securely and prominently labeled with "Fragile - Handle With Care" to alert carriers to the delicate nature of the contents. A packing slip with the order details is included on the outside of the carton in a clear plastic pouch. We recommend shipping via a trackable and insured shipping service to ensure the product arrives safely at its destination.

FAQ:

Q: What is the main use of the zhonglei Self Curing Silicone Pad?

A: The zhonglei Self Curing Silicone Pad is primarily used for sealing, insulating, and protecting electrical and electronic components. It's also great for various DIY projects where a flexible, durable, and self-curing silicone material is needed.

Q: Can the zhonglei Self Curing Silicone Pad be used outdoors?

A: Yes, the zhonglei Self Curing Silicone Pad is suitable for both indoor and outdoor applications. Its properties ensure that it can withstand various weather conditions without degrading.

Q: Is the zhonglei Self Curing Silicone Pad easy to apply?

A: Yes, the pad is designed for easy application. It can be cut to size and applied directly to the surface that requires protection or sealing. After application, it will cure at room temperature without the need for any additional curing agents or heat.

Q: Are there any special storage conditions for the zhonglei Self Curing Silicone Pad?

A: The zhonglei Self Curing Silicone Pad should be stored in a cool, dry place away from direct sunlight and moisture. This will ensure that the product maintains its properties before use.

Q: Is the zhonglei Self Curing Silicone Pad environmentally friendly?

A: zhonglei is committed to environmental stewardship and ensures that the Self Curing Silicone Pad is made with non-toxic materials and processes. However, it is always best to check the product's specific environmental certifications for detailed information.



Shanghai Zhonglei Electric Material Co., Ltd.



+8615702120966



forwardyu@163.com



siliconerubber-product.com

No. 66, Lane 1098, Shengli Road, Qingpu District, Shanghai