



## High Performance Silicone Sponge Foam UL94-V0 For Electrical Control Cabinets

### Our Product Introduction

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#### Basic Information

- Place of Origin: China
- Brand Name: zhonglei
- Minimum Order Quantity: 300 m<sup>2</sup>
- Packaging Details: carton



#### Product Specification

- Adhesive: Silicone
- Adhesive Side: Double Sided
- Design Printing: No Printing
- Chemical Resistance: Good
- Elasticity: High
- Use: Sealing&Damping
- Uv Resistance: Excellent
- Width: Customized
- Highlight: **High Performance Silicone Sponge Foam,  
Silicone Sponge Foam UL94-V0**



## Product Description

### Product Description:

The Silicone Sponge Foam product is a high-performance material designed for a wide range of industrial and commercial applications. This highly versatile product is made from premium silicone rubber, which gives it exceptional characteristics suitable for use in environments requiring durability, flexibility, and resistance to extreme temperatures and chemicals. The temperature performance of this silicone sponge foam is outstanding, capable of withstanding a wide range of temperatures from as low as -60°C to as high as +280°C. This makes it an ideal choice for applications subjected to harsh thermal conditions, whether they are exposed to intense heat or extreme cold.

One of the key features of the Silicone Sponge Foam is its high elasticity, which allows it to maintain its shape and form even after being compressed or stretched. This characteristic is particularly important for applications that require a tight seal or cushioning, as it can absorb shocks and vibrations while providing a reliable and consistent performance over time. The elasticity also contributes to the longevity of the silicone foam, ensuring that it continues to perform effectively with minimal wear and tear.

The density of the Silicone Sponge Foam ranges between 0.3-0.8g/cm<sup>3</sup>, which provides a spectrum of options for specific needs. A lower density foam might be used where a lighter material is required, whereas a higher density foam can offer more robust support and durability. Regardless of the density, the silicone foam maintains its excellent mechanical properties and can be tailored to suit the specific requirements of various applications.

Another significant advantage of the Silicone Sponge Foam is its chemical resistance. This product exhibits good resistance to a variety of chemicals, including many acids and alkalis, oils, and solvents. This chemical resistance ensures that the silicone foam can be used in environments where it may come into contact with harsh substances without degrading or losing its integrity. As a result, it is an excellent choice for sealing and gasket applications in the chemical processing industry, among others.

The Silicone Sponge Foam is also equipped with an adhesive made from silicone, ensuring that it is fully compatible with the sponge foam material. This adhesive backing provides a strong and durable bond to a variety of surfaces, making the foam easy to install and secure in place. The use of silicone adhesive also enhances the overall performance of the product by maintaining its adhesive properties across the same wide temperature range that the sponge foam itself can endure.

When it comes to sealing solutions, the Silicone Foam Gasket made from this sponge foam material offers superior performance. The gasket effectively seals against water, air, and dust, which is critical for protecting sensitive equipment and maintaining clean and controlled environments. The silicone foam gasket's ability to compress and conform to irregular surfaces ensures a tight seal, even in applications with complex geometries or rough surfaces.

In summary, the Silicone Rubber Sponge Foam product is a highly adaptable, durable, and reliable material that offers a combination of high temperature performance, elasticity, density options, good chemical resistance, and a strong silicone adhesive. It is an ideal choice for a wide range of applications, including but not limited to, Silicone Foam Gaskets for industrial machinery, automotive components, electrical enclosures, and HVAC systems. By choosing Silicone Sponge Foam, users are guaranteed a product that not only meets but exceeds the rigorous demands of modern industrial and commercial applications.

### Features:

Product Name: Silicone Sponge Foam

Flame Retardant: Yes

Use: Sealing&Damping

Density: 0.3-0.8g/cm<sup>3</sup>

Adhesive Side: Double Sided

Material: Silicone

Silicone Foam Sheet

Silicone Foam Tube

Silicone Foam Padding

### Technical Parameters:

Width	Customized
Adhesive	Silicone
Density	0.3-0.8g/cm <sup>3</sup>
Design Printing	No Printing
Material	Silicone
Advantage	Flexible And Strong Resilience
Base Material	Silicone
Temperature Performance	-60~+200°C
Use	Sealing&Damping
Samples	Freely Provided

### Applications:

The **Zhonglei Silicone Sponge Foam** is a versatile and high-quality product designed to cater to a wide range of applications.



Manufactured in China, this product boasts an adhesive silicone base which ensures ease of use and durability. The Zhonglei brand is renowned for its commitment to providing superior products that meet the rigorous demands of various industries. The silicone sponge foam's excellent chemical resistance makes it an ideal choice for environments where exposure to harsh substances is a common occurrence.

One of the primary applications for the Zhonglei Silicone Sponge Foam is as a **Silicone Foam Gasket**. These gaskets are crucial in creating tight seals in machinery, preventing leaks of gases or liquids in industrial settings. The high elasticity of the foam allows it to conform to uneven surfaces, ensuring a tight fit and superior sealing performance. This makes it an indispensable component in the automotive, aerospace, and manufacturing sectors.

Another common use for this product is as a **Silicone Foam Mat**. These mats can serve various purposes, from providing a non-slip surface in wet areas to acting as heat-resistant pads in kitchens or industrial environments. The silicone's inherent heat-resistant properties combined with the foam's cushioning ability make it perfect for applications that require both protection and stability.

The Zhonglei Silicone Sponge Foam is also perfect for **MASKING** purposes. In painting or coating processes, the foam can be used to cover and protect areas that should not be coated. Its high elasticity ensures that it can be stretched and fitted around irregular shapes, providing a secure mask that prevents any seepage or contamination.

Zhonglei is confident in the quality of its Silicone Sponge Foam, which is why samples are **freely provided** to potential customers. This allows for thorough testing in specific applications to ensure the foam meets the necessary requirements before making a bulk purchase. With its multiple uses, including as a silicone foam mat, gasket, and masking material, the Zhonglei Silicone Sponge Foam is a product that is well-suited to a variety of scenarios. Whether in industrial settings, commercial kitchens, or within intricate mechanical systems, this product delivers performance and reliability that professionals can trust.

## Customization:

Introducing the zhonglei Silicone Sponge Foam, a premium product meticulously crafted to meet your specific requirements. Originating from China, this Silicone Foam Sheet is known for its exceptional versatility and performance.

Our customization services allow you to specify the width of your Silicone Foam Padding to ensure a perfect fit for your application.

Whether you need a narrow strip or a wide sheet, we tailor our product to your needs.

The zhonglei Silicone Sponge Foam features a double-sided adhesive side, utilizing a high-quality silicone adhesive that ensures a secure and reliable bond. This makes it an ideal choice for MASKING applications where adherence is critical.

Furthermore, our Silicone Foam Sheet boasts good chemical resistance, enduring a variety of environments without compromising its integrity. This resilience makes it suitable for a wide range of industrial and commercial uses.

Choose zhonglei for your Silicone Foam Padding needs and benefit from a product that offers durability, customization, and superior performance.

## Support and Services:

Our Silicone Sponge Foam products come with comprehensive technical support and services to ensure your complete satisfaction. Our experienced team is dedicated to providing you with detailed product information, assistance with product selection to match your specific application needs, and advice on installation and use. We strive to ensure that our Silicone Sponge Foam solutions meet the highest standards of quality and performance.

If you encounter any issues or have any questions regarding our Silicone Sponge Foam products, our technical support team is here to help. We offer guidance on troubleshooting, maintenance tips, and can provide detailed technical data to support your usage of the product. Our support services are designed to help you maximize the effectiveness of our products and extend their useful life.

Additionally, we continuously work to improve our products and services based on customer feedback. We encourage you to reach out with any suggestions or comments you may have. Our goal is to provide exceptional service and ensure that our Silicone Sponge Foam products contribute to the success of your projects.

## Packing and Shipping:

Product Packaging:

Our Silicone Sponge Foam is carefully packaged to ensure it reaches you in perfect condition. Each piece is wrapped in a protective polyethylene film to guard against dust, dirt, and moisture. The wrapped foam is then placed in a sturdy, corrugated cardboard box, providing additional protection during transit. The boxes are sealed and labeled clearly with product information and handling instructions to facilitate safe transportation.

Shipping:

We take great care to ship your Silicone Sponge Foam promptly and securely. Orders are dispatched through our trusted logistics partners, who provide reliable and efficient service. Tracking information will be provided upon shipment, allowing you to monitor your package's journey to your doorstep. Please inspect the package upon arrival and report any damage immediately so we can assist you with a resolution.

## FAQ:

**Q1: What materials are used in the zhonglei Silicone Sponge Foam?**

A1: The zhonglei Silicone Sponge Foam is made from high-quality silicone materials that provide excellent compression set and flexibility. It is designed to withstand a wide range of temperatures and environmental conditions.

**Q2: Can the zhonglei Silicone Sponge Foam be used in outdoor applications?**

A2: Yes, the zhonglei Silicone Sponge Foam is suitable for outdoor applications as it is resistant to UV, ozone, and extreme weather conditions, making it an ideal choice for various outdoor uses.

**Q3: Is the zhonglei Silicone Sponge Foam safe for use in medical or food-related applications?**

A3: zhonglei Silicone Sponge Foam is made with materials that can be formulated to meet certain medical or food-grade specifications. However, it's important to check the specific product grade and certifications to ensure compliance with the necessary standards for your application.

**Q4: Can the zhonglei Silicone Sponge Foam be customized in terms of size and shape?**

A4: Yes, the zhonglei Silicone Sponge Foam can be customized according to specific requirements. It can be supplied in various sizes, shapes, and densities to meet the needs of different applications and industries.

**Q5: How does the zhonglei Silicone Sponge Foam perform under high temperature conditions?**

A5: The zhonglei Silicone Sponge Foam is designed to perform exceptionally well under high temperature conditions, maintaining its flexibility and resilience. It can typically handle temperatures ranging from -55°C to +200°C, depending on the grade and formulation.





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