



Flame Retardant Silicone Sponge Foam High Elasticity 0.3 - 0.8g/cm³ Density

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: zhonglei
- Minimum Order Quantity: 300 m²
- Packaging Details: carton



Product Specification

- Adhesive Side: Double Sided
- Uv Resistance: Excellent
- Width: Customized
- Elasticity: High
- Density: 0.3-0.8g/cm³
- Use: Sealling Damping
- Temperature Performance: -60~+200°C
- Samples: Freely Provided
- Highlight: **Silicone Sponge Foam High Elasticity,
Silicone Sponge Foam 0.3g/Cm³,
Flame Retardant Silicone Foam 0.8g/Cm³**

Product Description:

Our Silicone Sponge Foam product is a high-quality, versatile material suitable for a wide range of applications where sealing and cushioning are crucial. Made from premium silicone, this product is designed to meet the needs of industries requiring materials that can withstand extreme temperatures and environmental conditions. The inherent flame-retardant properties of our Silicone Sponge Foam make it an ideal choice for applications that prioritize safety and durability.

The base material for our Silicone Sponge Foam is a pure silicone rubber, which is known for its excellent resistance to heat and cold, making it suitable for use in environments with extreme temperature ranges from -60°C to +200°C. This remarkable temperature performance ensures that the foam remains functional and maintains its properties even under harsh conditions, providing reliable insulation and protection to various components.

One of the key advantages of our Silicone Sponge Foam is its flexible and strong resilience. This characteristic allows the foam to be compressed and released repeatedly without losing its cushioning capabilities. This durability is essential for applications such as Silicone Sponge Cushion where the material is expected to absorb impacts or maintain a seal under fluctuating pressure conditions. The resilience of the foam makes it an excellent choice for gaskets, pads, and seals in automotive, electronics, and HVAC systems, where long-term performance is a must.

The Silicone Foam Insulation properties of this product are also noteworthy. Its closed-cell structure provides excellent thermal insulation, reducing heat transfer and helping to maintain the desired temperature in a given space. This feature is particularly beneficial in the construction of refrigeration units, ovens, and other thermal management systems, where maintaining a consistent temperature is critical. Additionally, the insulating properties contribute to energy efficiency, making it an eco-friendly option for green building projects.

As for its adhesive qualities, the Silicone Sponge Foam is backed with a silicone adhesive that complements the base material. This ensures a strong bond to various surfaces without compromising the foam's temperature resistance and flame-retardant capabilities. The adhesive is engineered to withstand the same harsh conditions as the sponge foam itself, providing a secure and lasting application.

The Silicone Foam Rubber composition of our product offers excellent water resistance, making it suitable for outdoor applications or areas prone to moisture exposure. It can resist water ingress, which is critical for sealing applications in marine, automotive, or outdoor electrical enclosures. Its ability to repel water also prevents mold and mildew growth, ensuring that the material remains hygienic and clean over long periods.

In summary, our Silicone Sponge Foam product is an exceptional material that provides flame retardancy, high-temperature performance, and flexibility with strong resilience. Its base material of silicone, combined with a silicone adhesive, results in a product that is reliable, durable, and versatile. Whether you need Silicone Foam Insulation, a Silicone Sponge Cushion, or Silicone Foam Rubber for your project, this product is engineered to meet the highest standards of quality and performance. Experience the benefits of our Silicone Sponge Foam and ensure the integrity and efficiency of your applications, even in the most demanding conditions.

Features:

Product Name: Silicone Sponge Foam

Material: Silicone

UV Resistance: Excellent

Flame Retardant: Yes

Advantage: Flexible and Strong Resilience

Temperature Performance: -60~+200°C

Key Applications: Silicone Foam Insulation

Key Applications: Silicone Sponge Seal

Key Applications: Silicone Foam Gasket

Technical Parameters:

Attribute	Details
Use	Sealing&Damping
Adhesive Side	Double Sided
Width	Customized
Advantage	Flexible And Strong Resilience
Density	0.3-0.8g/cm ³
Flame Retardant	Yes
Adhesive	Silicone
Material	Silicone
Samples	Freely Provided
Chemical Resistance	Good

Applications:

The zhonglei Silicone Sponge Foam, originating from China, is a versatile material with a wide range of applications due to its unique

properties. Crafted from high-quality silicone, this foam product offers excellent chemical resistance and is designed for various uses, including MASKING. It is also equipped with a silicone adhesive for easy application. Furthermore, zhonglei provides samples of their silicone sponge foam freely, allowing potential customers to test and evaluate the product before making a purchase decision.

One of the primary applications for the zhonglei Silicone Sponge Foam is as a Silicone Sponge Cushion. This cushioning is ideal for industries where durable and resilient padding is required. It can be found in automotive manufacturing, where it serves as cushioning in seat designs or as vibration dampening pads within the engine compartment. The inherent durability and longevity of zhonglei's silicone material ensure that it can withstand the rigors of daily use in such demanding environments.

Another common use for this product is as a Silicone Foam Gasket. These gaskets are essential in creating tight seals between two surfaces, preventing the leakage of liquids or gases. They are particularly useful in applications that involve extreme temperatures or exposure to harsh chemicals, where traditional materials might fail. The zhonglei Silicone Foam Gasket can be found in electronics, HVAC systems, and even in the food and beverage industry, where a safe, non-toxic seal is necessary for health and safety compliance.

Additionally, the Silicone Foam Tube is another key application scenario for the zhonglei Silicone Sponge Foam. These tubes can be utilized in insulation, as protective covers for wiring, or as fluid transport in medical devices. Their flexibility combined with the silicone's thermal stability makes them perfect for protecting sensitive components from extreme temperature variations. This adaptability also makes the zhonglei Silicone Foam Tube a suitable choice for various industrial, commercial, and consumer products.

In summary, the zhonglei Silicone Sponge Foam is an adaptable and reliable material that serves a multitude of purposes across various industries. Its excellent properties, such as good chemical resistance, high temperature endurance, and the inclusion of a silicone adhesive, make it an essential component for applications requiring Silicone Sponge Cushion, Silicone Foam Gasket, and Silicone Foam Tube solutions.

Customization:

Brand Name: zhonglei

Place of Origin: China

Advantage: Flexible And Strong Resilience, ideal for *Silicone Foam Insulation*

Temperature Performance: -60~+280°C, making it suitable for a wide range of applications, including *Silicone Rubber Sponge Foam*

Design Printing: No Printing, providing a clean and seamless appearance for *Silicone Foam Mat*

Adhesive: Silicone, ensuring a secure and durable bond

Density: 0.3-0.8g/cm³, providing a lightweight yet robust structure

Support and Services:

The Silicone Sponge Foam product comes with comprehensive technical support and services to ensure maximum satisfaction and optimal use of the product. Our support includes guidance on product selection based on your specific application needs, detailed product data sheets, and instructions for proper installation and maintenance.

For troubleshooting and technical inquiries, our dedicated team of experts is available to provide you with step-by-step assistance to resolve any issues you may encounter with the performance or application of the Silicone Sponge Foam product.

We also offer additional services, including custom-cut shapes and sizes to fit unique requirements, advice on enhancing the longevity and durability of the product, and tips on achieving the best results for sealing, cushioning, and insulation applications.

To ensure your satisfaction, we continuously work on improving our products and services. We welcome your feedback and are committed to addressing any concerns to meet your expectations for high-quality technical support.

Packing and Shipping:

The Silicone Sponge Foam product is carefully packaged in high-quality, durable material to ensure it arrives in perfect condition. Each sponge is individually wrapped in a protective film to prevent any damage or contamination. The wrapped sponges are then placed into a sturdy cardboard box, designed to withstand the rigors of transit. The box is sealed with heavy-duty packing tape and clearly labeled with the product information and handling instructions.

For shipping, the boxed Silicone Sponge Foam product is placed into an appropriate shipping container or envelope, depending on the size of the order. The container is filled with additional cushioning materials like bubble wrap or packing peanuts to minimize movement and absorb any shocks during transportation. Once securely packed, the container is sealed and labeled with the recipient's address and any relevant shipping information. We ensure that all packages are dispatched with reliable courier services to provide efficient and safe delivery to our customers.

FAQ:

Q1: What are the main uses for Zhonglei Silicone Sponge Foam?

A1: Zhonglei Silicone Sponge Foam is versatile and can be used for a variety of applications including thermal insulation, gasketing, cushioning, sealing and as a vibration dampening material in various industries such as automotive, electronics, and construction.

Q2: Can Zhonglei Silicone Sponge Foam be customized in size and shape?

A2: Yes, Zhonglei Silicone Sponge Foam can be customized to meet specific size and shape requirements. It can be supplied in sheets, rolls, or cut into custom shapes to fit the needs of different applications.

Q3: Is Zhonglei Silicone Sponge Foam resistant to high temperatures?

A3: Yes, Zhonglei Silicone Sponge Foam is designed to withstand high temperatures and has excellent thermal stability. It maintains its properties and functionality over a wide range of temperatures.

Q4: How does Zhonglei Silicone Sponge Foam perform in outdoor environments?

A4: Zhonglei Silicone Sponge Foam performs well in outdoor environments due to its UV and ozone resistance. It is also weatherproof, which makes it suitable for outdoor sealing and insulation applications.

Q5: What is the origin of Zhonglei Silicone Sponge Foam?

A5: Zhonglei Silicone Sponge Foam is manufactured in China, adhering to high-quality manufacturing standards to ensure it meets the requirements of various industries and applications.



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