



**SILICONE SPONGE**



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01

# Silicone Sponge

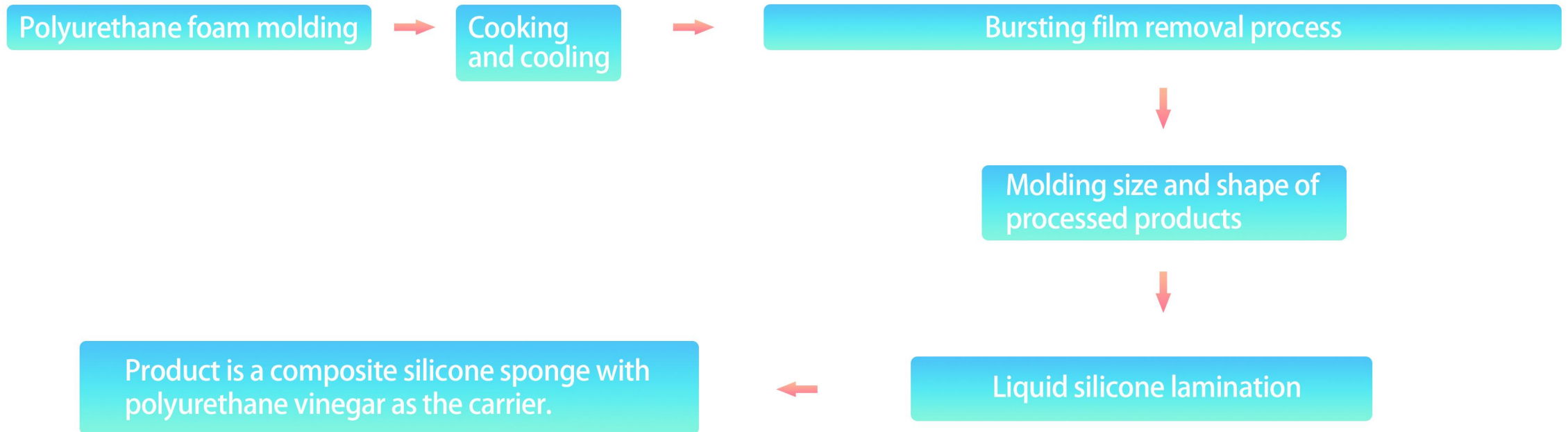


01.01 Introduction of materials and performance

# Silicone sponge production process

Silicone sponge is a kind of polyurethane cool soft body material and food grade liquid silicone composite new material. Covered with wrapped polyurethane material so that the material has the excellent physical properties of silicone. Its anti-aging, weather resistance, comfort in a single polyurethane product physical properties to achieve exponential improvement, so that the silicone sponge in the environmental protection, safety, service life and other applications of the product to give a healthier, more friendly protection.

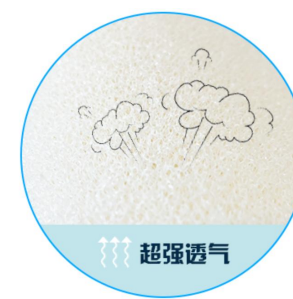
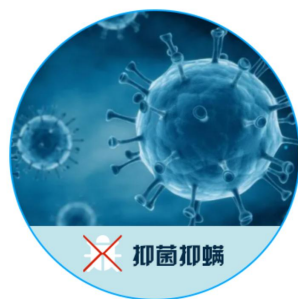
## Production process



## 01.01 Introduction of materials and performance

Silicone sponge is an innovative product made of a mesh polyurethane breathable sponge with about (20-35%) content and about (65-80%) liquid silicone composite. Using a polyurethane sponge as a carrier, liquid silicone is silicified into the sponge substrate, resulting in a new type of soft material with a wide range of applications.

Our silicone products reach the food-grade material standards, anti-bacteria and anti-mite, high breathability, high resilience, small compression deformation, excellent resistance to yellowing, anti-aging ability, also has the performance of soothing fatigue. Reciprocal pressure test 80,000 times, its resilience and dimensional stability is less than or equal to 3% recovery rate, high and low temperature resistance (-40 ° C-300 ° C).



## 02 Areas of application



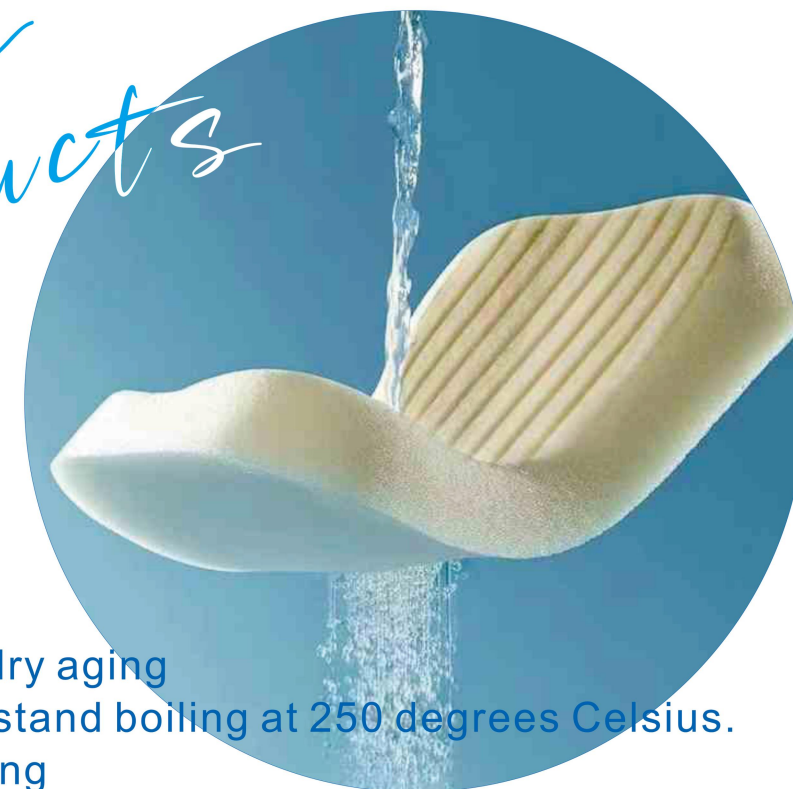
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## 02.01 Pillow Series—Adult



*Silicon Products*

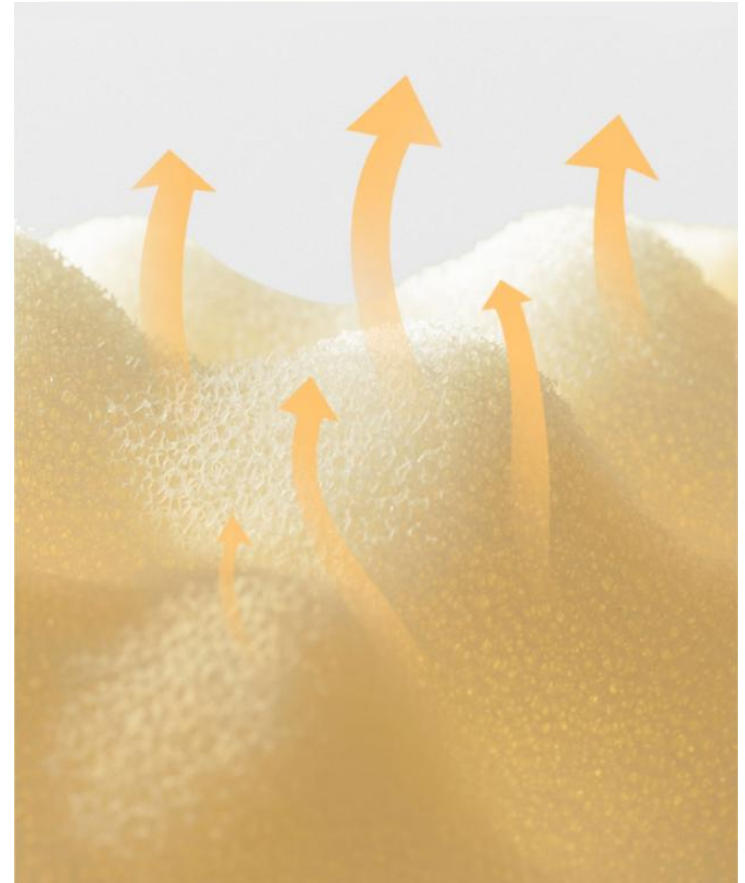
- Food grade
- Anti-mite
- Breathable
- Washable
- UV resistant, not easy to dry aging
- The whole pillow can withstand boiling at 250 degrees Celsius.
- No deformation, no slagging



## 02.01 Pillow Series—Adult

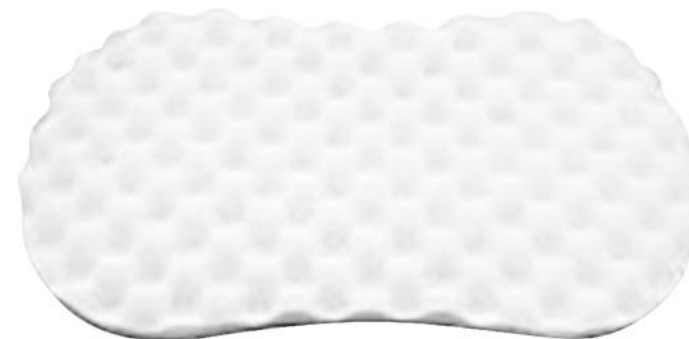
Soft Feeling Pressure Release is as comfortable as a cloud. It evenly disperses pressure on the skull, balancing comfort and support, giving you the feeling of lying on a cloud. It's not hard to see that this pillow has superb pressure relief.

It has superb moisture absorption and moisture removal. Because this pillow has countless ventilation holes, it is able to circulate and breathe, reducing heat buildup in your head.



## 02.01 Pillow Series—Baby

This pillow can match any change of baby's sleeping position, fully release the pressure of head and neck. It has curves to care for your baby's neck and protect the good development of your baby's cervical vertebrae.



## 02.02 Application of mattress comfort layers

### Silicone mattress

Due to the soft, skin-friendly, sweat-absorbent and breathable characteristics of silicone foam, it is a new material that is well suited as a mattress comfort layer. Combined with silicone memory foam, it is the best material to replace latex.



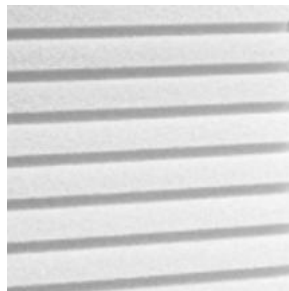
## 02.02 Application of mattress comfort layers

Silicone mattress

### Silicone VS Natural Latex

Silicone Sponge

Silicone



Strong supportability

Anti-bacterial and anti-mite

Long life and no slagging

Food grade

Super breathability

High and low temperature resistance

Machine washable  
Acid and alkali resistant

Natural Latex



Strong supportability

Smelly

Easy to age and slag

Non food grade

Weak breathability

Not resistant to high temperature

Non-washable

## 02.03 Car wash applications

The silicone sponge has superb stretch and tear resistance, giving the car wash sponge a longer life.



## 02.04 Bath & Shower Applications

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Silicone sponge has a delicate and silky feel with rich lathering properties. It gives people a new feeling of using silicone bath sponges.



## 02.05 Applications of ironing table

Silicone sponge is resistant to high and low temperatures (-40°C-300°C), not easy to deform, breathable and easy to dry. This adds a whole new experience of using the old ironing table.



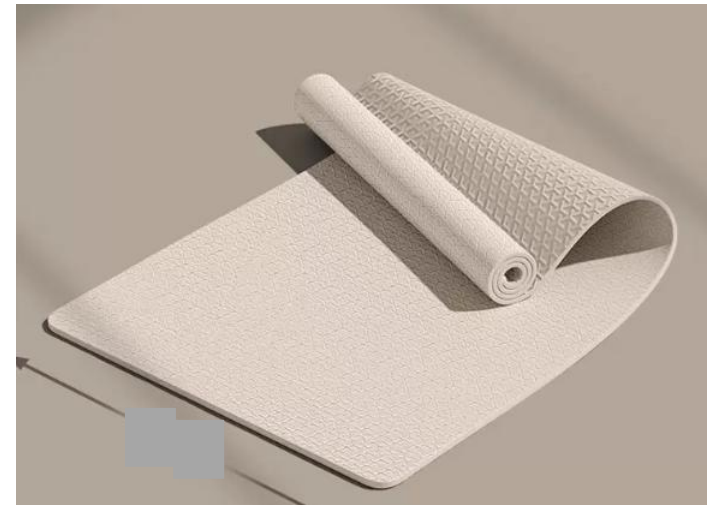
## 02.06 Kitchen scrubbing applications

Silicone sponge is rich in foaming, easy to clean and inhibit mites, not easy to harbor bacteria. In addition, it does not hurt the utensils and has a strong ability to remove dirt.



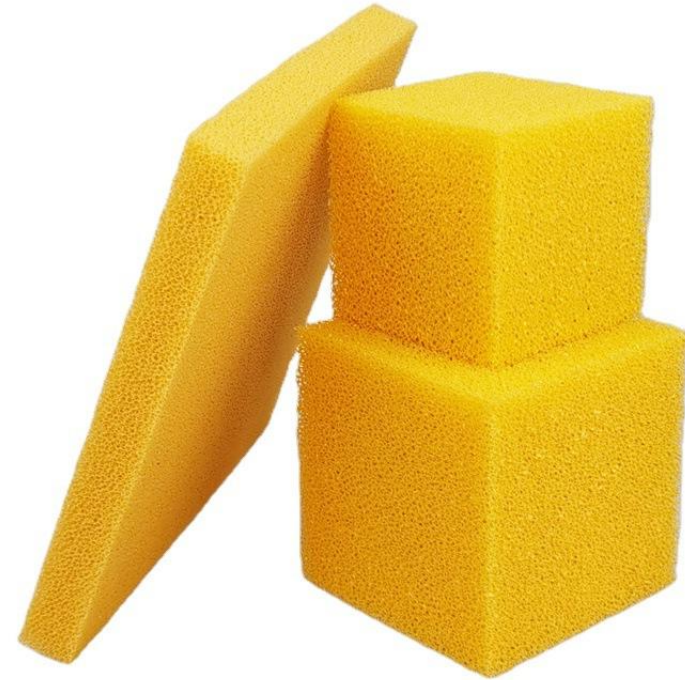
## 02.07 Solid wood furniture cushion, outdoor cushion, window cushion, cooler mattress, yoga mat

Silicone foam synthesized according to different hardnesses is perfect for making all kinds of cushions. Its superb resilience, breathability, quick drying and machine washable properties are all advantages of this material.



## 02.08 Shoe washing applications

Based on different hardness synthesized silicone sponge with super high resilience. Its open mesh determines that it does not stain oil, does not fall off, does not hurt the shoe surface, and has a strong scrubbing ability, which can easily remove the dirt on the surface of the shoes.



## 02.09 Other silicone products

Because of its soft, easy-to-clean and non-toxic nature, silicone is well suited for hair brushes, bath brushes, face brushes and other products.



粉色

天蓝色

浅绿色



## SUMMARY

Silicone sponges can be customized into a variety of special styles, giving the product versatility.

For example: anti-static, anti-yellowing, coil articulation silicone sponge, combined with space memory foam, combined with hydrophilic polyurethane.



THANKS

