

Contribute to a carbon-neutral society simply by using this product during your daily dishwashing
Archem Inc. launches Sustainable Sponge, which achieves a combination of environmental friendliness and ease of use by employing its first palm-derived material

Archem Inc. (based in Minato-ku, and headed by Satoru Kusano, Global CEO; hereinafter referred to as “Archem”), which manufactures and sells urethane products, has launched Sustainable Sponge, which provides the same feel as regular kitchen sponges while being environmentally conscious by employing Archem’s first palm-derived material. Sustainable Sponge is available on Archem’s website from June 5th, 2024 onwards.



Sustainable Sponge, the launched product, employs Archem’s first palm-derived material. Although there is only a limited number of plant-derived industrial products available around the world, Archem is contributing to a carbon-neutral society by compounding palm-derived polyol during manufacturing (patent pending) to reduce effective CO2 emissions from manufacturing caused by incineration. This product provides the same lather and air permeability as regular kitchen sponges, enabling you to effortlessly lead an environmentally aware life simply by using it during your daily dishwashing.

Since people around the world are increasingly paying attention to being environmentally aware and to carbon neutrality, Archem is also actively making efforts as a urethane manufacturer by considering the application of this plant material to a variety of products in the future. We will continue our research and development in order to enhance customer comfort and contribute to the realization of a sustainable society.

■ Product features

- Employs Archem’s first palm-derived material

Although regular urethane is manufactured by the reaction of petroleum-derived polyol with polyisocyanate, this product is manufactured by compounding petroleum-derived polyol with palm-derived polyol (patent pending). Although there is only a limited number of plant-derived industrial products available around the world, this product contributes to a carbon-neutral society by reducing effective CO2 emissions from manufacturing caused by incineration.



- Realization of the same feel as petroleum-derived kitchen sponges with our technological capabilities developed over more than 70 years*

Archem has realized the same feel as petroleum-derived products by leveraging its urethane manufacturing technology, which has been developed over more than 70 years*. The fine texture of this urethane produces fine foams, completely cleaning dishes and cooking utensils. Additionally, a compounded antibacterial agent and enhanced air permeability, achieved by removing the membrane that blocks the passage of water and air through membrane removal processing, maintain the cleanliness of the sponge itself. This product can be used in the same way as general petroleum-derived sponges, enabling you to effortlessly lead an environmentally conscious life simply by using it during your daily dishwashing.



- Size that everyone can easily use

This smallish sponge measures 65 mm wide, 110 mm long, and 30 mm thick, making it easy for everyone to use. This sponge easily fits cylindrical items such as glasses or cooking utensils with uneven surfaces, ensuring thorough cleaning.



■ Product overview

Product name	Sustainable Sponge
Color	Off-white (uncolored)
Product image	
Product dimensions (W x D x H)	65 x 110 x 30 mm each (available as a three-sponge set)
Product weight	About 6 g each
Reference price (tax inclusive)	Discretionary price
Launch date	June 5th, 2024

■ About Archem Inc.

Archem Inc., formerly the chemical product solution division of Bridgestone Corporation, has been involved in the research, development, manufacturing, and sale of urethane for more than 70 years. Our aim is to spread comfort to every corner of the world through the manufacturing and sale of various urethane products, including car seat pads, bedding mattresses, housewares, and office equipment. We provide products by leveraging our urethane manufacturing and evaluation technologies, as well as our integrated supply chain from design and processing to sales. We also meet the needs of our customers and society through our dedicated efforts toward ESG.

*: We started manufacturing and selling mattresses in 1952 as part of the chemical product solution business of Bridgestone Corporation, which used to be our parent company.