

Contribute to a carbon-neutral society simply by placing this product on your mattress
Archem Inc. launches D-sleep Eco, which achieves a combination of environmental friendliness and comfortable sleep, by adopting 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 D-sleep Eco, which provides the same feel as existing products*¹ while being environmentally conscious, by employing Archem’s first palm-derived material. D-sleep Eco is available on Archem’s website from June 5th, 2024 onwards.



D-sleep Eco has launched a new product in the D-sleep series, which is used on top of your mattress. This 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. You can be environmentally aware while enjoying a comfortable sleep by simply placing this product on your mattress.

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 of D-sleep Eco

- 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.



*1: D-sleep series

■ Features of the D-sleep series

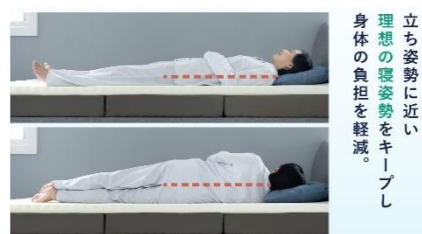
- Easy to place! Simply lay it on top of your usual bedding

The D-sleep series can be used on your usual bedding as a bed pad. This series comes with a dedicated bag that makes storage convenient while being light and easy to carry. Therefore, not only can the D-sleep series be used every day, but they are also convenient for when you have a sudden guest or when you might spend a night in your car.




- Support for comfortable sleep leveraging over more than 70 years of urethane manufacturing technology*2

The technology we developed in the urethane business over the years*2 combines environmental consciousness with the same feel as existing products*1 by fine-tuning the density, elasticity, and hardness of mattresses. The wavy structure, which spreads and disperses body pressure in a highly effective way, supports your body in a well-balanced manner, helping you maintain a sleeping posture close to your standing posture. In addition, the design, which has high resiliency and firmness that provides a pushback with high elastic force, has achieved appropriate sinking and cushioning properties.



Product overview

Product name		D-sleep Eco
Color		White
Product image		
Product dimensions (W x D x H)		97 x 193 x 4 cm
Product weight		About 3.1 kg
Materials	Polyester 100%	Polyester 100%
	Urethane foam	Urethane foam
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.

*1: D-sleep series

*2: 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.