

Aerogel

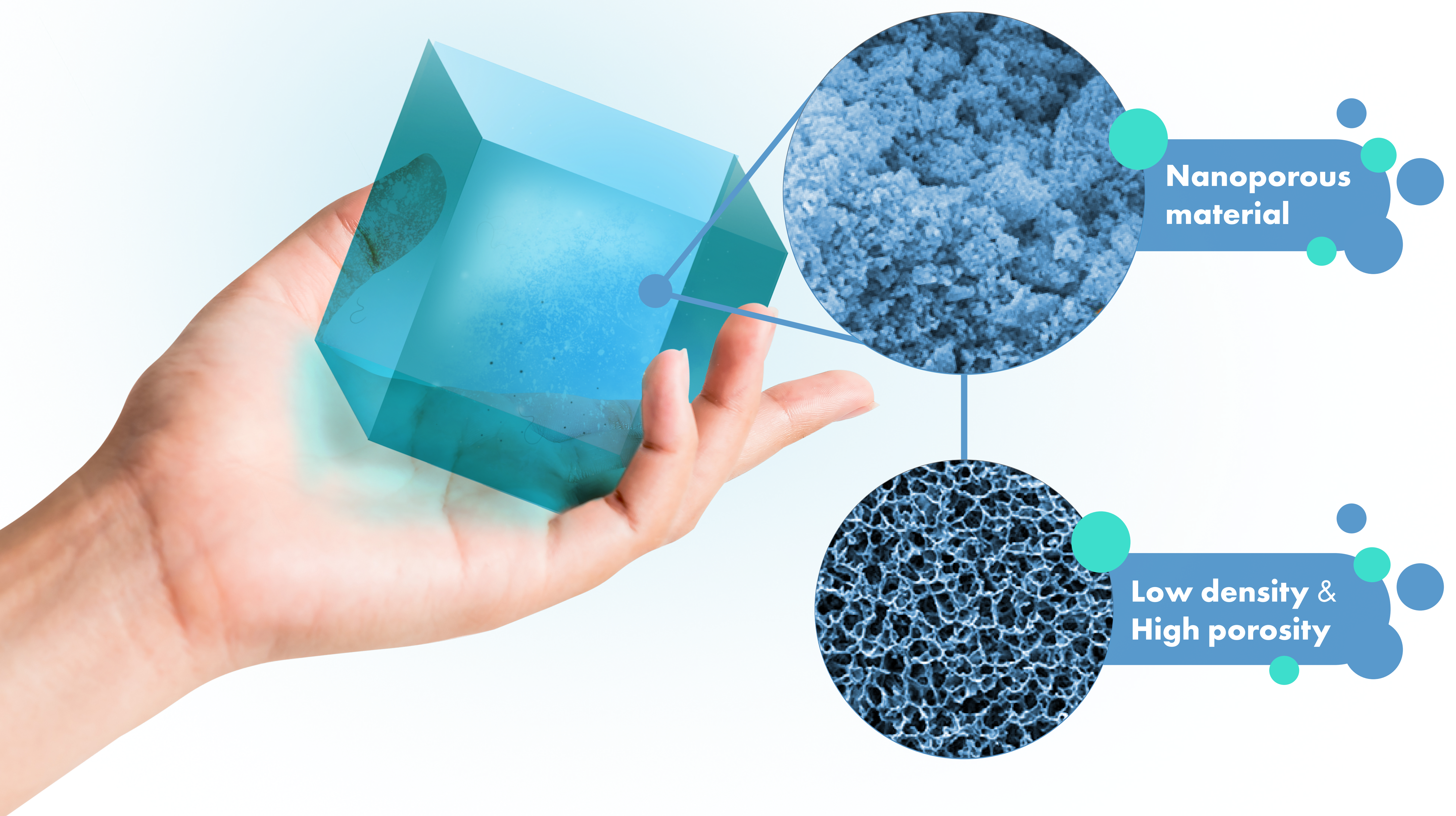
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Aerogel

WHAT IS AEROGEL?

Aerogel is a nanoporous material with low density and high porosity. More than 90% of the aerogel is 10- 30 nanometers of the still air mass, which has a very good thermal insulation effect. The thermal insulation effect of a one-inch thick aerogel is equivalent to the thermal insulation effect of 20-30 pieces of ordinary glass.





Feel cold? Feel warm?

Don't worry about your sleep quality.

Aerogel mattress ticking controls your body temperature.

Aerogel

PROPERTY

High efficiency thermal insulation performance: thermal insulation value is far more than the national standard very low thermal conductivity: $\leq 0.02\text{W}/(\text{MK})$. Thinner insulation thickness: it is $1/2$ of the thickness of ordinary materials. Lower density: as low as $0.003\text{g}/\text{cm}^3$.

HIGH SPECIFIC SURFACE AREA

The aerogel fiber is filled with **nano-air mass**, and the specific surface area of the fiber is much larger than that of the porous hollow ultrafine fiber, which makes the fiber have the characteristics of strong odor absorption, good moisture absorption, high evaporation rate and easy colorin.

Aerogel

FUNCTIONS OF AEROGEL

We grind silica aerogel into a super fine powder, and then combined it with polyester to develop a new textile thermal functional material! Aerogel is mostly made of gas and looks like frozen smoke.

The aerogel fiber is filled with nano-air mass, and the specific surface area of the fiber is much larger than that of the porous hollow ultrafine fiber, which makes the fiber have the characteristics of **strong odor absorption, good moisture absorption, high evaporation rate, and easy clean** functions.

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COMFORT, COMFORT, AND COMFORT

The specific gravity of aerogel is very light, between 10kg and 30kg per cubic meter, and aerogel yarn is also lightweight.

Aerogel fiber has the property of super soft and skin care hand feeling. Aerogel mattress ticking will be the most comfortable fabric ever!

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Also, Sustainable...

PFCs are on the globally-recognized Restricted Substances Lists because traces of PFCs have been found in every level of the food chain. All easy clean fabrics contain some kind of PFC and destroy our world. Our PFC-free Durable Water Repellent, Aerogel has easy cleans functions and will be the industry standard for healthy, effective waterproofing.



Sustainable



PFC Free

Aerogel

*Easy
Clean*

Aerogel

Aerogel



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