

# Japanese scientists successfully developed soft gel like jelly, 5 times stronger than steel

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1. Discovered a new form of carbon, stronger than metal and more resilient than rubber
2. New coating helps supersonic aircraft withstand temperatures up to 3000 degrees Celsius

It took three years for scientists at Hokkaido University (Japan) to successfully build this synthetic material by combining a hydrogel (commonly used in contact lenses or plastic jelly toys) with fiberglass. fine.



Thanks to this special combination, it helps optimize the elasticity of the new material, while helping the product to be 100 times more durable than the hydrogel and 25 times more than glass fiber, compared to the energy needed to destroy it .

*"This is the strongest soft material man ever created,"* said Jian Ping Gong, the head of the study.

According to the researchers, this new fiberglass reinforced hydrogel can be used in many different areas.

In medicine, this new material can be used to create biological materials such as artificial organs, prosthetics with the ability to endure daily effects.

In addition, this superior gel can also be used to produce sports clothes, helmets, bulletproof vests .

Now, new materials are being tried by Professor Gong's team to improve technology. They are also cooperating with companies in the field of artificial cartilage in the shortest time possible to bring useful products to the market, helping people live better.

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