

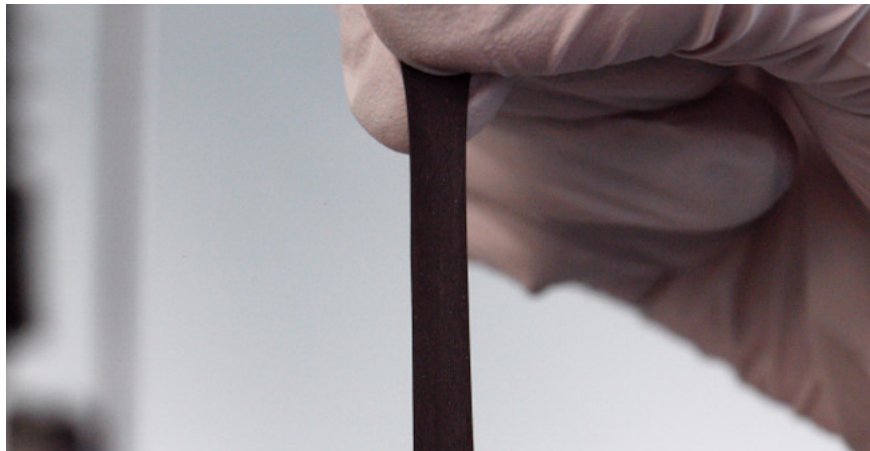
Use materials that are 200 times stronger than steel to build rubber bands

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1. Japanese scientists successfully developed soft gel like jelly, 5 times stronger than steel
2. Materials can "self-destruct", creating self-erasing ink

Graphene is the world's most durable metamaterial ever known, made from pure carbon, so it is 200 times more rugged than steel. James Hone, an engineer at Columbia University, used to suggest that to pierce a thin sheet of graphene like a film covering food, an elephant should stand up on a pencil.



Currently, Alliance Rubber is working with researchers at the University of Sussex to find the formula for perfect and unbreakable rubber bands next year. If the rubber band has too little graphene then the durability will not be guaranteed, and it will lose elasticity if there is too much graphene.

According to Alliance Rubber, this extremely durable new rubber band can make food transport through changing supply chains and simplify the transport of electronic equipment. They can sell them to various industries, including retailers, food and technology wholesalers.



In addition, this new type of graphene rubber band has added many new features that traditional rubber bands don't have, such as static elimination, which is extremely important for electronic shipping companies.

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