

The dream new material that the world pays attention to,
Graphene



Super lightweight blanket



Cooling pad



Deodorant socks

R&D products



Protects the body from chemotherapeutic agents
CBRN protection



Worn in war and training situations
Battle suits



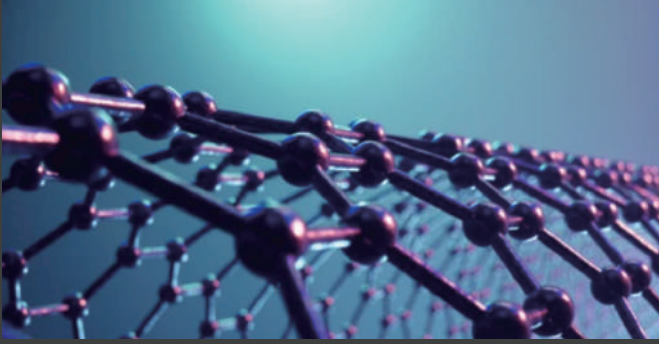
Warrior platform with protective function to block bullets
Body armor



Warmer to your battle suit
Field jacket

What is graphene?

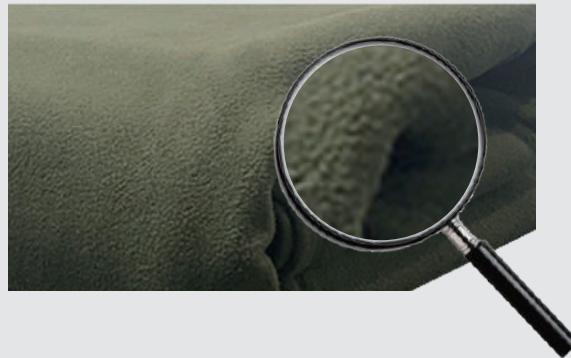
A new material that won the Nobel Prize in Physics for the first time separating graphene from pencil lead graphite



Super lightweight blanket



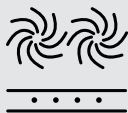
- Graphenetex blanket weighs 620g (normal blanket weight is 1.4kg)
- Excellent thermal insulation function of graphene itself (warming rate 80%)



Antibacterial
99.9%



99.9%
antibacterial



Far-infrared
emission

Weight reduction

- Reduced weight by taking advantage of thin, light and durable graphene
- Short drying time after washing with sweat perspiration and quick-drying function due to high breathability

Far-infrared radiation

- Short drying time after washing with sweat perspiration and quick-drying function due to high breathability

Anti-static

- Excellent triboelectricity
- cotton 200V, wool 76V (normal clothing voltage 3700V)



High
breathability



Anti-static



Lightweight

Graphenetex Chemical Process



Cooling pad



- Excellent breathability (intake resistance 27Pa)
- Blocks water droplets and contamination with single-sided water repellent processing



**UV protection
99.9%**

One-piece water repellency processing and high breathability

- Water-repellent and anti-fouling processing
- Moisture absorption processing on the inner surface of the fabric absorbs/discharges sweat for comfort and quick drying after washing

Cooling effect and UV protection

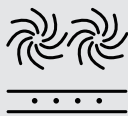
- By adding a cooling material to the graphene yarn, the cooling effect is doubled compared to the existing fabric.
- Can be used as a shade during training with 99.9% UV A/B blocking effect

Safety test completed and semi-permanent function

- Supplier conformity safety standards, proven to block substances harmful to the human body



99.9%
antibacterial



Far-infrared
emission



High
breathability

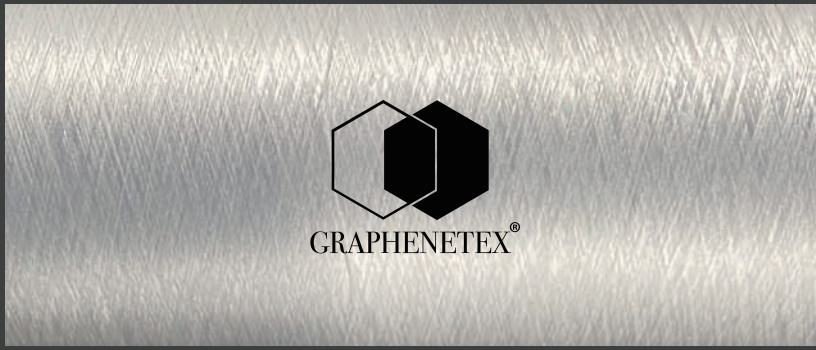


Cooling
effect

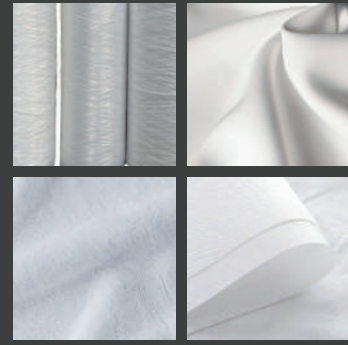


UV
protection

Graphenetex Fiber Process



Graphenetex yarn

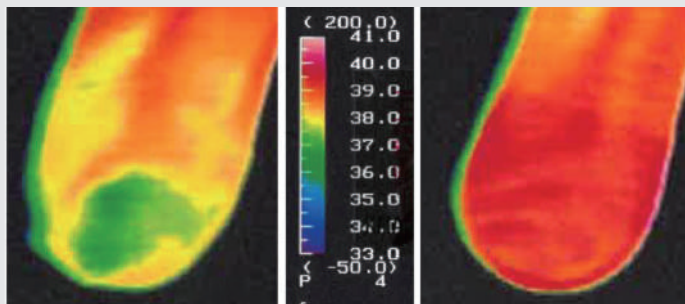


Yarn, fabric microfiber, non-woven fabric, etc

Deodorant socks



- Excellent breathability and odor removal of graphene
- Far-infrared radiation is emitted to relieve cold hands and feet and foot fatigue



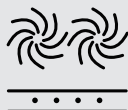
Normal socks

Graphenetex socks

**Far infrared 89.3%
Body temperature rise**



99.9%
antibacterial



Far-infrared
emission



High
breathability



Deodorant

Breathable and deodorizing function

- Excellent breathability of graphene and strong deodorizing power of polyester yarn (suppression of foot odor): 180 minutes, 99%
- The function is realized in the state of the yarn without post-processing, and the function is maintained semi-permanently even after washing.

Far-infrared radiation

- As a material that emits 89.3% of far-infrared rays, it relieves cold hands and feet and reduces fatigue in the feet.

Fiber products derived from high-purity graphene

- Antibacterial function of graphene fiber itself (99.9% reduction), antifungal (0% growth), far-infrared radiation (89.3%)



Graphenetex test reports & certifications



Far infrared
89.3%



Antibacterial
99.9%



Deodorant
98%



Triboelectricity
Cotton 200/Wool 76



UV A/B 99.9%



Composite fastness 4



Pilling 4-5



Anti-fungal
99.9%



ISO 9001



ISO 14001



KC



FDA

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