



# Graphene Functional Fiber

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For more information  
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## Graphene Functional Fiber

USING G-TECH GRAPHENE FIBER TECHNOLOGY FROM THE UK, THIS INNOVATIVE FUNCTIONAL FIBER IS MADE BY COMBINING GRAPHENE WITH SYNTHETIC FIBERS. IT OFFERS SIGNIFICANT ADVANTAGES IN STRENGTH, FAR-INFRARED INSULATION, ANTIBACTERIAL PERFORMANCE, AND UV PROTECTION. WHEN APPLIED TO TEXTILES, IT ENHANCES DURABILITY AND FUNCTIONALITY WHILE DELIVERING LONG-LASTING WELLNESS BENEFITS.

## Application



Automotive interiors



Smart wearables



Sports & leisure



Outdoor gear



Home textiles



Health & wellness

## Product Specification

GRAPHENE NYLON FILAMENT	DTY20D24F, DTY40D34F, DTY70D68F
GRAPHENE POLYESTER FILAMENT	DTY50D36F, DTY75D72F, DTY150D144F
GRAPHENE CONDUCTIVE FIBER	20D3F BLACK, 20D3F GREY, 40D6F BLACK
GRAPHENE POLYESTER STAPLE FIBER	1.2D38MM, 1.5D38MM, 3D51MM HOLLOW
GRAPHENE NYLON STAPLE FIBER	1.2D38MM, 1.5D38MM

OTHER SPECIFICATIONS CAN BE CUSTOMIZED



# Authorized Certification

FAR-INFRARED PERFORMANCE TEST REPORT  
ANTIBACTERIAL PERFORMANCE TEST REPORT  
UV PROTECTION TEST REPORT

## Product Advantages



**Far-Infrared Emission**  
FIR EMISSIVITY  $\geq 88\%$ , TEMPERATURE RISE  $\geq 2^{\circ}\text{C}$



**Mechanical Reinforcement**  
ENHANCES MECHANICAL STRENGTH



**UV Protection**  
EFFECTIVELY BLOCKS UV RADIATION AND PROTECTS SKIN



**Antibacterial Properties**  
ANTIBACTERIAL RATE  $\geq 90\%$



**Excellent Conductivity**  
FORMS EFFECTIVE CONDUCTIVE PATHWAYS

## LEVSON GROUP WORLDWIDE

### About LEVSON Group Worldwide

For over a decade, Levson has been at the forefront of graphene research and commercialisation. Our dedicated focus on cutting-edge R&D has enabled the low-cost, high-quality, large-scale production of graphene, making advanced heating solutions commercially viable.

Our extensive portfolio of patents protects our unique manufacturing processes and product designs, a testament to our role as a technology leader. This innovation is channelled into developing products that contribute directly to global Net Zero ambitions. Our graphene heating films are engineered for exceptional energy efficiency, significantly reducing electricity consumption compared to traditional heating systems and helping our clients lower their carbon footprint.

From our roots in advanced material science, we have grown into a leading graphene heating supplier and manufacturer. Our global presence, with teams in China, Hong Kong, North America, Europe, and the UK, ensures we understand and meet the unique needs of each market, providing tailored heating solutions and unparalleled support to customers worldwide.

For all enquiries, please contact: [sales@levsongroup.com](mailto:sales@levsongroup.com)  
Discover our full product range at: [levsongreenheating.com](http://levsongreenheating.com)

## Contact us

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