



Developed by GRAFREN AB (Sweden)

GRAFREN AB

World-unique & patented technology of graphene coating

# GRAPHENE COATED GLASS FIBRES

for Multifunctional Composites

## ELECTRICALLY CONDUCTIVE

## MECHANICALLY REINFORCED

Sheet Resistance (Ohms/sq)

**10 000 000 ↔ 10**

Impact Resistance

**up to 200%**

### Functions Enabling:

- ✓ **Joule Heat:** Uniform & Powerful Heating in-build in composite structure
- ✓ **Structural Wiring:** Signal Transmission within one layer of the composite
- ✓ **Structural Health Monitoring:** sensing of damage of the composite
- ✓ **Electro Magnetic Interference (EMI) Shielding:** kHz to THz range covering

Prepreg & Epoxy Vacuum  
Injection Compatible

2 meters wide rolls of  
Glass Fibers/Aramide  
Fabrics Available

Green Coating  
Technology - Zero  
polymers or binders used