High-Temperature Fire-resistant & Heat-insulating Graphene sheet

Graphene &
Its Applications

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Its applications

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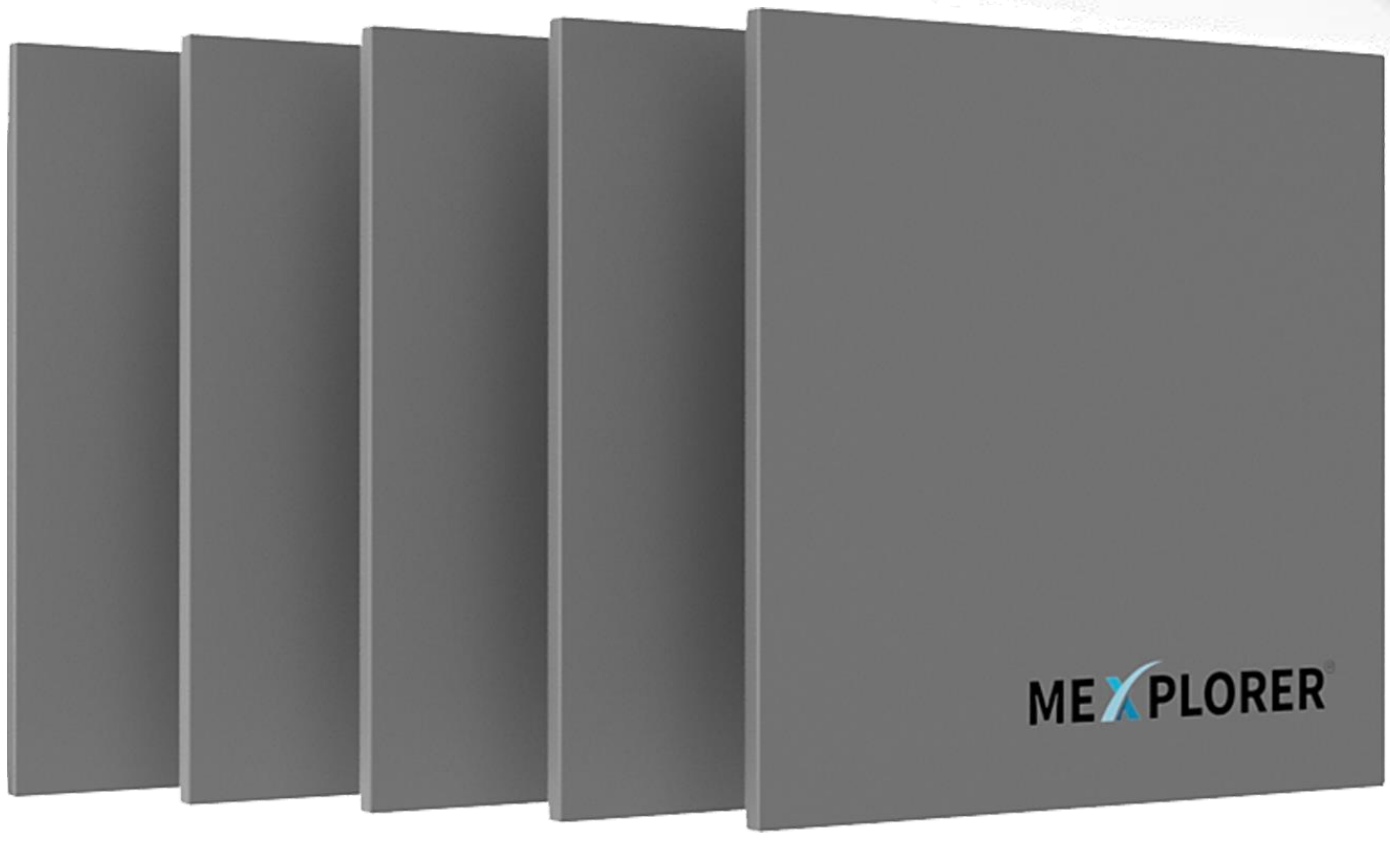
EV Thermal barrier Graphene sheet



- One-body Fire-resistant & Heat-insulating material at >1100°C
- non-melting & non-combustible Fire-resistance at > 1100°C
- Excellent Heat-insulation with thermal conductivity of ~ 0.05 W/m·k
- Aerogel-grade light weight material with density of 0.22 - 0.24 g/cm^3

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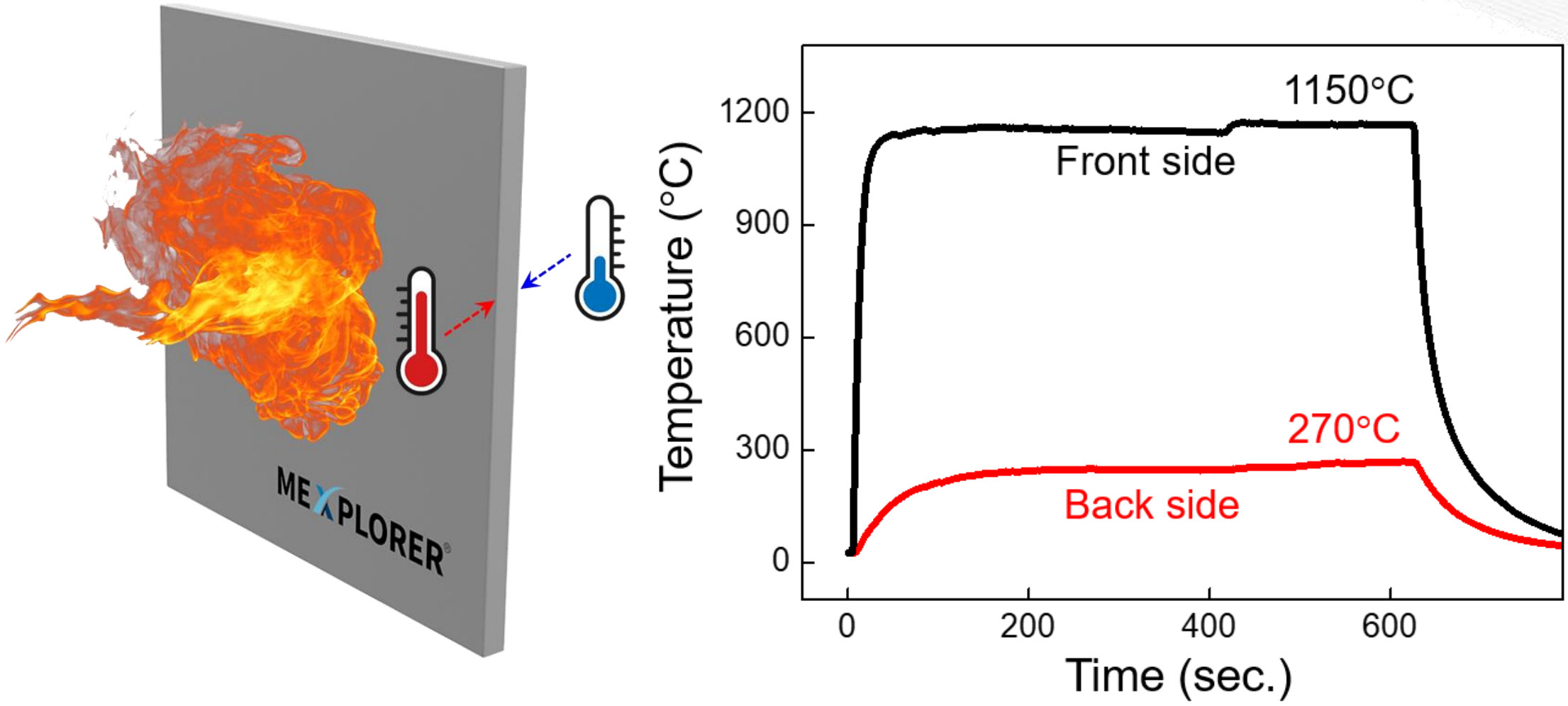
EV Thermal barrier Graphene sheet

- **Excellent Heat-insulating performance**



- **Product characteristics**

- Excellent Heat-insulating performance with thermal conductivity of ~ 0.05 W/m·k (room temperature)
- Light weight material (density of 0.22 - 0.24 g/cm^3)
- UL94 V0 Flammability rating
- Compliance with the RoHS Directive (six substances)
- Thickness: 2mm, 3mm

- **Compressive Resistance**

Compressive Resistance
5 kPa @ 10% strain
10 kPa @ 25% strain
16 kPa @ 40% strain
22 kPa @ 50% strain

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Graphene Fire-safe Pouch for Supplementary Batteries

- Graphene Fire-safe Pouch for the Fire-safe storage of supplementary batteries
- non-melting & non-combustible Fire-safe Pouch, blocking a Fire-spill & -transfer in a fire situation
- Graphene Fire-safe Pouch can keep the temperature on the outside surfaces of pouch <200°C in a Fire situation
- Inexpensive entry-level product

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