NEW PRODUCT

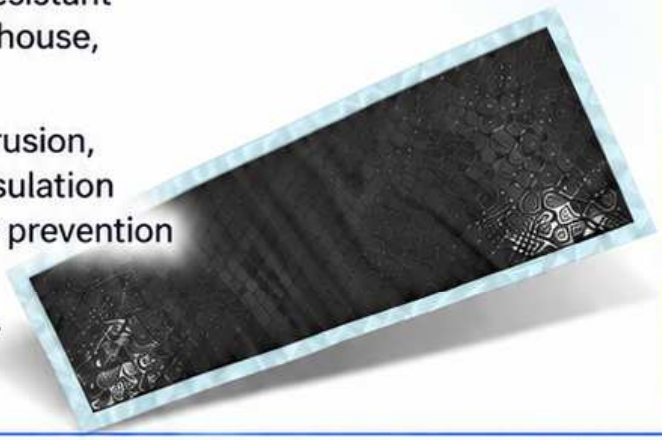
NEW PRODUCT

Excellent thermal insulation effectively suppresses high temperatures.

Helps prevent the propagation of thermal runaway in lithium-ion secondary batteries.

This new product is a high heat-resistant insulation material developed in-house, with a protective film layer.

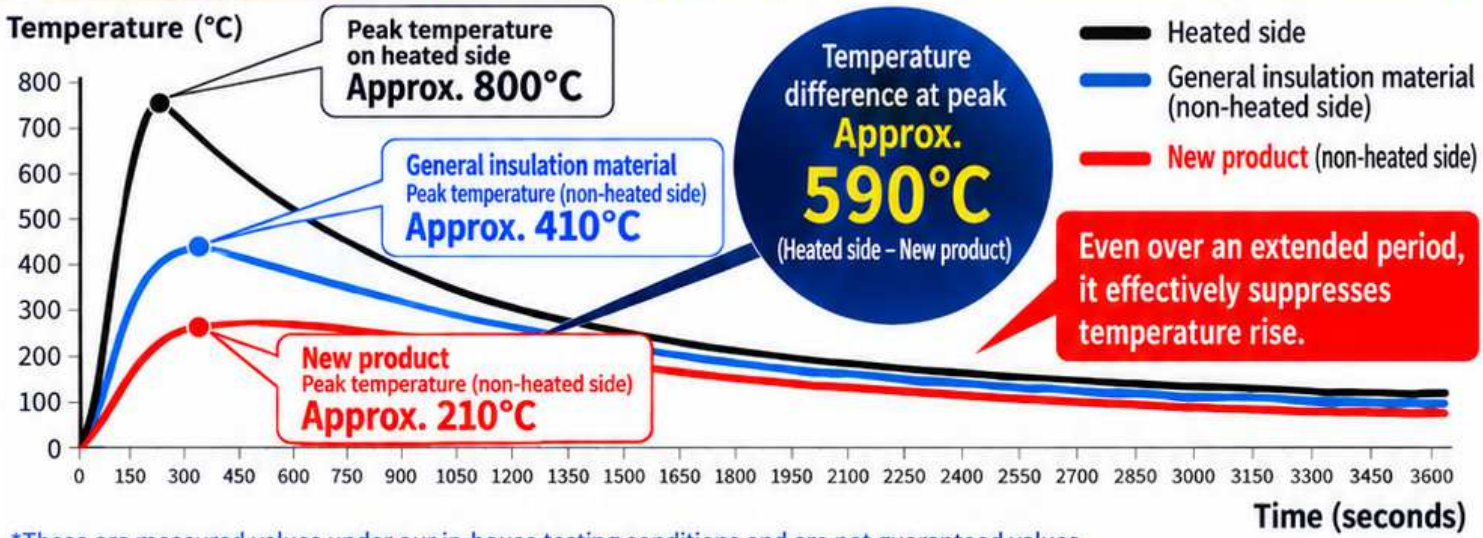
It effectively suppresses heat intrusion, combining excellent electrical insulation and durability, contributing to the prevention of thermal runaway propagation in lithium-ion secondary batteries.



- Excellent Thermal Insulation
- Excellent Electrical Insulation
- Protective Film Design

Performance Data

Temperature Change (Comparison of Heated Side and Non-Heated Side)



*These are measured values under our in-house testing conditions and are not guaranteed values.

Main Applications

Prevention of thermal runaway propagation in lithium-ion secondary batteries.

Suppresses heat transfer when a single battery cell undergoes thermal runaway, contributing to improved system safety.

NEW PRODUCT

3 Key Features of the New Product

The new product is a high-performance, heat-resistant insulating material with excellent thermal insulation and electrical insulation properties.
We offer two specifications to match different application environments (base material specification / protective film specification).

Feature 01 Base Material Specification / Protective Film Specification

We can provide a protective film specification upon customer request.

New Product (Base Material Specification)

Base material **without** a protective film.



Base material with excellent thermal insulation and electrical insulation properties.

+ Protective Film

- ✓ Thinner
- ✓ Improved dimensional stability
- ✓ Surface protection
- ✓ Enhanced durability

New Product (Protective Film Specification)

Specification **with** a protective film.



With a protective film, shape stability and durability are further improved.

Typical Properties (Representative Values)	
Insulation resistance	≥ 100 MΩ
Dielectric strength	≥ 10 kV
Weight	470 g/m²

Feature 02 Custom Shape Processing

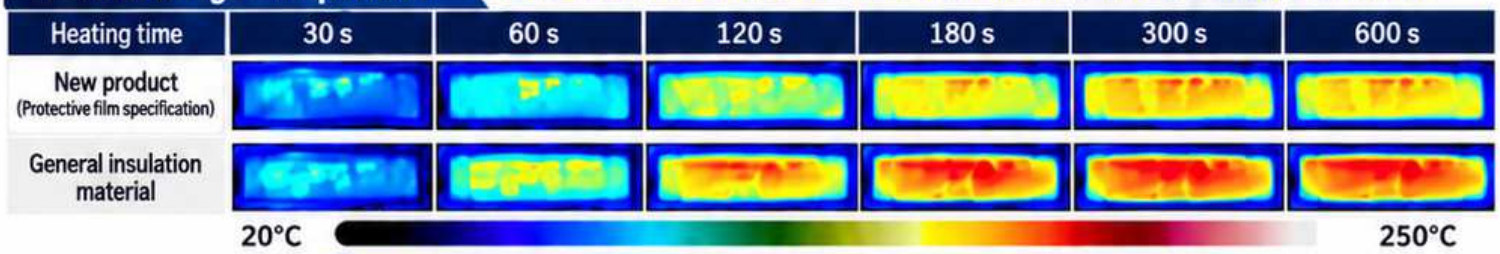
We can process and deliver the product in the shape and dimensions required by customers for their specific applications.

Feature 03 Function-Driven Customization

By optimizing the thickness and structure, we can design a product tailored to the intended application and usage environment. We provide customized solutions based on each customer's needs.

Thermal Image Comparison

Temperature changes over time under our in-house testing conditions.



*These are measured values under our in-house testing conditions and are not guaranteed values.

Main Applications

- Thermal insulation for mobile batteries
- Thermal insulation for kettles and other hot/cold containers
- Thermal insulation for refrigerators and freezers
- Thermal insulation for automotive interior and roof lining
- Prevention of heat damage from exhaust heat
- Cooler bags
- Thermal insulation for transport containment

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