

New energy battery fireproof and heat insulation materials

What insulating material is used to insulate a battery pack?

This product is a high-temperature and fireproof insulating material made of ceramic silicon rubber and glass fiber cloth, which can be applied to the outside of the module to solve the insulation failure problem of the battery pack at high temperature. This product is an elastic foam material compounded by aerogel and organic materials.

What is a fire and heat insulation product?

This product is a fire and heat insulation product that can be used in a large area with aerogel felt as the fire and heat insulation layer and glass fiber cloth and other veneers. The product can be used in modules, PACK and underbody parts to delay the spread of battery flame and protect personnel safety.

What is fireproof thermal insulation coating?

Fireproof thermal insulation coating is applied to the inner side of the aluminum upper cover of the pack which can reduce high temperature grilling, maintain the mechanical strength of metal aluminum at high temperature, and protect the outer coating from high temperature penetration and ignition.

How does fireproof insulation work?

The fireproof thermal insulation coating, aerogel thermal barrier, and fireproof insulation composite tape can effectively block the spread and transmission of fire and heat along three axes, effectively inhibiting the intensity of fires.

The application relates to the field of battery fireproof materials, in particular to a fireproof heat insulation pad applied to a new energy battery pack and a preparation method...

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1. Ceramic fiber materials: These materials are resistant to high temperatures and have good heat insulation effects, and are widely used in battery insulation layers to effectively prevent or slow down the spread of fire.
2. Aerogel: Aerogels have excellent heat-insulating properties and are lightweight, not only preventing the spread of heat ...

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Determine the locations of the insulation and fire protection layers (inner walls, roof, and ground). Choose between single-layer and double-layer insulation options for optimal heat preservation. Select suitable

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fireproof ...

The aim of thermal insulation is to minimize the heat transfer between outside and inside of building. Materials and Methods of Thermal Insulation of Buildings There are many forms of thermal insulation materials are available in the market as follows: Slab or block insulation; Blanket insulation; Loose fill insulation; Bat insulating materials

Promat's thin and lightweight passive fire protection solutions help you mitigate the risks of battery storage, transportation and recycling. Our pre-installed solutions, such as walls, partitions, ceilings, floors, storage boxes and ...

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