

MAFTEC EV Battery Fire Shield Displayed at Several Global Trade Shows

At MAFTEC, we are engaged in solving issues to achieve a decarbonized society.

The introduction of EVs is key to the decarbonization of the mobility sector. However, the Li-ion batteries used in EVs are prone to thermal runaway, which can lead to the risk of explosion. The spread of fire can in turn put drivers and passengers in danger, and so EV battery fire shields are essential.

The MAFTEC needle blanket has a melting point of 1,850°C and boasts excellent tensile strength even at high temperatures. By combining this with inorganic fiber woven cloth, we were able to create a lightweight material with outstanding fireproof properties, fire resistance, and particle impact resistance. EV battery prototypes using MAFTEC as fireproof material have been on display at the trade shows below.

EDAG press release:

<https://www.edag.com/en/edag-group/press/press-release/lightweight-battery-housing-safe-durable>

1. JEC World 2023 in Paris, France; April 25–27, 2023
2. The Battery Show Europe in Stuttgart, Germany; May 23–25, 2023
3. Automotive Engineering Exposition in Yokohama, Japan; May 24–26, 2023

