

CCEWOOL® HTIW Shapes for the Lithium Battery Industry

CCEWOOL® HTIW Shapes are high-performance, vacuum-formed ceramic fiber products made from premium alumino-silicate fiber cotton. Designed to meet the specific needs of the lithium battery industry, these shapes deliver exceptional thermal insulation, durability, and customizability to optimize high-temperature processes critical to lithium battery production.



Roll Hole Shaped Parts

Temperature: 1260/1430°C

Density: 350 kg/m³

Application Industry: Lithium battery industry

Application Location: Roller hole sealing and insulation for lithium iron phosphate (LiFePO₄) cathode material calcination furnace

Treatment: Hardening treatment

Characteristics:

Low Shrinkage;

High Insulation;

Lightweight & Impact-Resistant;

Wear & Erosion Resistance;

Non-Wettability with Molten Metals.

Application:

Thermal Insulation for Battery Component Production: HTIW Shapes provide effective insulation during the high-temperature manufacturing of anode and cathode materials.



Furnace Linings for Material Sintering: Used in sintering furnaces for battery material processing, they ensure consistent heat distribution and energy efficiency.

