CCEWOOL Thermomax Inc.
salesusa@ccewool.com
www.ccewool.com

Aerospace - Battery Storage

We offer battery storage solutions designed to delay or prevent thermal runaway in battery cells, modules, and battery pack protection systems, enhancing safety and reliability.

CCEWOOL® Polycrystalline Wool Fiber Paper

Temperature Grade 1600℃（2912℉）

CCEWOOL® Polycrystalline Wool Fiber Paper is designed for high temperature applications up to 1600°C. Manufactured from high purity Alumina fibres, using advanced production techniques to ensure uniform fibre distribution and close control of thickness and density.

CCEWOOL® Polycrystalline Wool Fiber Paper is produced using Alumina fibres with the minimum addition of carefully selected bonds, which burn out in service. The ultra-clean ‘shot’ free properties of the product promote excellent handling and strength characteristics. CCEWOOL® Polycrystalline Wool Fiber Paper has significant benefits as a separating and parting media for vacuum brazing applications and heat treatment. Other applications include gaskets and seals in furnaces with reducing atmospheres and hot isostatic pressing.

Characteristics:

Almost no shot, white color, and high purity of raw materials;

Good high temperature resistance and good high-temperature stability;

Extremely low thermal conductivity, low linear shrinkage after heating;

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Stable chemical properties and strong corrosion resistance;

Uniform fiber diameter and high tensile strength;

Excellent thermal stability and thermal shock resistance;

Excellent chemical stability.

Application:

Expansion joints in industrial furnace linings;

Strips in new fiber module lining overcome shrinkage;

Gap filling for lining maintenance/repair;

High Temperature Gaskets and Seals.

TDS

CCEWOOL® Polycrystalline Wool Fiber Paper	
Typical Chemical Analysis (fibre wt. %)	
Al2O3	95–97
SiO2	3–5
Trace	<0.5
Physical Properties	
Colour	White
Classification Temperature (°C)*	1600(2912℉)
Product Density (kg/m3)	160
Product Thickness (mm)+	8
Loss on Ignition (wt. %)	
from Fibre	0
from Felt	<12