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

# CCEWOOL® HTIW Shapes for Silicon Molybdenum Rod Heating Elements

CCEWOOL® HTIW Shapes are high-performance vacuum-formed products made from premium alumino-silicate fiber cotton. Specifically designed for use with silicon molybdenum ($MoSi_2$) rod heating elements, these custom-shaped components provide excellent thermal insulation, mechanical stability, and long-lasting durability. With carefully selected binders and additives, they ensure optimal performance in high-temperature environments.


**Silicon Carbide Rod Insulation Base**

Temperature: 1500°C / 1600°C

Density: 350 kg/m³

Application Industry: Silicon Molybdenum Rod Heating Elements

Application Area: Insulation Base for Silicon Molybdenum Rods

Treatment Method: Inorganic Hardening Treatment

**Characteristics:**

Low Shrinkage;

High Thermal Insulation;

Lightweight & Impact-Resistant;

Wear & Spall Resistance;

Non-Wettability with Molten Metals.

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**Application:**

Heating Element Supports: Insulates and stabilizes silicon molybdenum rod heating elements in high-temperature furnaces.

Thermal Barriers: Acts as a heat barrier, reducing heat loss and improving energy efficiency.

Electric Furnace Linings: Protects furnace interiors from heat exposure, ensuring consistent performance and longevity.