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

CCEWOOL® HTIW Shapes for the Laboratory Furnaces

CCEWOOL® HTIW Shapes are high-performance vacuum-formed products made from premium alumino-silicate fiber cotton, specifically designed to meet the demanding requirements of laboratory furnaces. These custom shapes are tailored with various binders and additives to provide optimal thermal performance and durability in high-temperature environments.

Polycrystalline Mullite Fiber Furnace Chamber

Temperature: 1500°C / 1600°C / 1700°C / 1800°C

Density:

1500°C: 350/400 (Heating elements: FeCrAl resistance wire, NiCr alloy, SiC rods)

1600°C: 350/400 (Heating element: SiC rods)

1700°C: 400 (Heating element: $MoSi_2$ rods)

1800°C: 400 (Heating element: $MoSi_2$ rods)

Application Industry: Laboratory Electric Furnaces

Application Area: Refractory Material for Laboratory Furnaces

Processing Method: Curing and Sintering Treatment

Electric Heating Plate Shaped Parts

Temperature: 1500°C

Bulk Density: 350 kg/m³

Application Industry: Laboratory Electric Furnaces

Application Area: Inner Insulation of the Black Box

Processing Method: Hardening Treatment

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Electric Heating Furnace Chamber Shaped Parts

Temperature: 1260°C / 1400°C

Bulk Density: 320-400 kg/m³

Application Industry: Laboratory Electric Furnaces

Application Area: Insulation and Isolation for Resistance Wires

Processing Method: Hardening Treatment

Resistance Wire Heater Shaped Parts

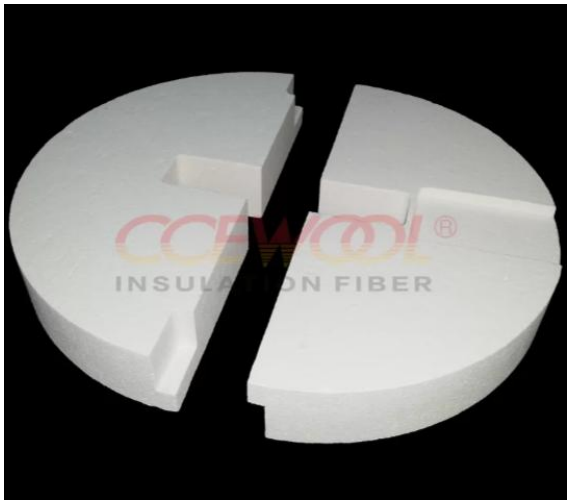
Temperature: 1500°C

Bulk Density: 350 kg/m³

Application Industry: Laboratory Furnaces

Application Area: Insulation and Isolation for Resistance Wires

Processing Method: Inorganic Hardening Treatment



Tubular heating furnace port

Temperature: 1260°C/1350°C/1500°C

Bulk Density: 320-350kg/m³

Application Industry: tubular heating furnace

Application Location: sealed and insulated at both ends

Treatment Method: inorganic hardening

treatment/hardening without inorganic treatment

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Characteristics:

Low Shrinkage;

High Insulation;

Lightweight & Durable;

Wear & Spall Resistance;

Non-Wettability with Molten Metals.

Application:

Furnace Linings: Provides high thermal insulation and protection for electric furnace interiors, ensuring stable operating temperatures.

Heating Element Support: Custom shapes can support and insulate heating elements, improving efficiency and safety.

Thermal Shields: Acts as thermal barriers to protect sensitive components and maintain uniform heat distribution.

Test Chamber Insulation: Enhances thermal stability for precise experimental conditions.