

CCEWOOL® Low Biopersistent Fiber Shapes



Temperature Grade: 1200°C (2192°F), 1300°C (2372°F)

CCEWOOL® Low Biopersistent Fiber Shapes are made from a blend of soluble fiber blanket, organic, and inorganic binders to form a rigid product. Our CCEWOOL® Low Biopersistent Fiber Shapes can come into direct contact with fire and can be custom-made into various

shapes according to customer-provided drawings. It has an extremely low thermal conductivity, low heat storage capacity, and excellent resistance to thermal shock. During use, the product exhibits good wear resistance and resistance to spalling, and it is not wetted by most molten metals. It possesses a soluble test certificate from the European Fraunhofer Laboratory.

Characteristics:

Can be made into various of complex shapes, high dimension accuracy.

Contact with flame directly, no odor and volatile gases at high temperatures.

High mechanical strength, resistance to gas flow.

Low shrinkage, low thermal conductivity.

Excellent strength in high temperature and thermal stability.

Application:

Industrial kilns observation hole, thermometer hole;

Industrial furnace burner brick;

Industrial furnace door;

Sump and launder for aluminum products industry;

Heat insulation for thermal radiation in civil and industrial heating device;



Nozzle and door sealing for the industrial furnace;

Non-ferrous metal molten channel;

Lining for pad, cap, of found, electrical equipment connect gaskets.

TDS

CCEWOOL® Low Biopersistent Fiber Shapes		
Classification Temperature	1200°C(2192°F)	1300°C(2372°F)
Color	Light Bluish	Light Bluish
Density (kg/m³)	300-350	300-350
Modules of Rupture (MPa)	≥0.25	≥0.25
Compressive Strength (MPa, 10% relative deformation)	0.15	0.15
Loss of Ignition (%)	≤7	≤7
Permanent Linear Shrinkage (%)	1100°C x 24h ≤2.0	1260°C x 24h ≤2.0
Thermal Conductivity (W/m·K)		
200°C	0.05	0.05
400°C	0.08	0.07
600°C	0.1	0.1
800°C	0.12	0.11
1000°C	0.14	0.14

