

## CCEWOOL® Ceramic Fiber Yarn



Temperature Grade: 1260°C (2300°F)  
 CCEWOOL® Ceramic Fiber Yarn is made through a special process using refractory ceramic fiber cotton, non-alkali glass filament, and high-temperature-resistant stainless steel alloy wire. It is used for the installation of insulation materials and heat conduction systems and is also widely used in the production of other refractory ceramic

fiber textiles. Products made from CCEWOOL® Ceramic Fiber Yarn are sturdy, chemically stable, and have excellent insulation qualities.

### Characteristics:

- Excellent high-temperature strength;
- Excellent electrical insulating properties;
- Excellent resistance to acid, oil, water vapor corrosion;
- Low thermal conductivity;
- Excellent thermal insulation.

### Application:

Stitching fireproof cloth/tape/rope

### TDS

CCEWOOL® Ceramic Fiber Yarn		
Classification Temperature (°C)	1260 (2300°F)	
Name	Glass Filament Reinforced Yarn	Inconel Wire Reinforced Yarn
Density (kg/m <sup>3</sup> )	550	
Long-term Operation Temp (°C)	550	1050
Water Content(%)	≤2	
Organic Content (%)	≤15	
Shrinkage at 982°C (%)	-1%	
Packing of ceramic fiber yarn	Braided Bag/ Carton	

## CCEWOOL® Ceramic Fiber Cloth



Temperature Grade: 1260°C (2300°F)

CCEWOOL® Ceramic Fiber Cloth is woven from high-quality refractory ceramic fiber yarn and is a high-performance industrial-grade refractory ceramic fiber fabric suitable for high-temperature applications. It is lightweight, flexible, and available in various thicknesses, widths, and densities. CCEWOOL® Ceramic Fiber Cloth contains a certain amount of organic fibers, which gradually carbonize and turn black when heated, without affecting its normal insulation performance. As the temperature continues to rise, the product will gradually turn white

again as the organic fibers are completely carbonized. It is available in two variations, reinforced with either nickel-chromium alloy wire or glass filament, and it has excellent wear resistance and resistance to mechanical damage, maintaining high strength at high temperatures. CCEWOOL® Ceramic Fiber Cloth is easy to manufacture, has low shrinkage, and remains flexible even after exposure to high temperatures.

### Characteristics:

- Low thermal conductivity
- Excellent thermal shock resistance, thermal stability
- Excellent tensile strength
- Sound insulation
- Easy cut and easy stall
- Containing no asbestos
- Chemical corrosion resistance.

### Application:

- Gasket and wrapping material
- Induction heating furnace coil insulation
- Cable and wire insulation (thermal and/or electrical)
- Infrared radiating diffusers
- Boiler tadpole gaskets
- Fuel line insulation
- Furnace heat zone separators
- Exhaust hood curtains
- Pipe hanger insulation

### TDS



<b>CCEWOOL® Ceramic Fiber Cloth</b>		
Classification Temperature (°C)	1260 (2300°F)	
Name	Glass Filament Reinforced Cloth	Inconel Wire Reinforced Cloth
Density (kg/m <sup>3</sup> )	550	
Long-term Operation Temp	550	1050
Water Content	≤2	
Organic Content (%)	≤15	
Shrinkage at 982°C (%)	-1	
Packing of ceramic rope	Braided Bag/ Carton	
Specification (T x W x L)	2mm x 1m x 30m	
	3mm x 1m x 30m	
	5mm x 1m x 20m	
	6mm x 1m x 20m	

## CCEWOOL® Ceramic Fiber Tape



Temperature Grade: 1260°C (2300°F)  
 CCEWOOL® Ceramic Fiber Tape is made from high-quality refractory ceramic fiber yarn, reinforced with either glass filament or stainless steel wire. It possesses excellent chemical stability, outstanding resistance to thermal shock, corrosion resistance, and resistance to damage caused by mechanical vibrations and stress. It is highly suitable for industrial applications that require sturdy, flexible, and high-temperature-resistant materials. CCEWOOL® Ceramic Fiber Tape is used in various thermal equipment and heat conduction systems for fire

resistance, insulation, and friction applications.

### Characteristic:

- Low thermal conductivity
- Excellent thermal shock resistance, thermal stability
- Excellent tensile strength
- Sound insulation
- Easy cut and easy stall
- Containing no asbestos
- Chemical corrosion resistance



**Application:**

Industrial thermal insulation, pipe and cable insulation coating, exhaust piping insulation coating, bolt flange connection, thermal radiation shielding, high temperature furnace door curtain

**TDS**

<b>CCEWOOL® Ceramic Fiber Tape</b>		
Classification Temperature (°C)	1260 (2300°F)	
Name	Glass Filament Reinforced Tape	Inconel Wire Reinforced Tape
Density (kg/m <sup>3</sup> )	550	
Long-term Operation Temp	550°C	1050°C
Water Content (%)	≤2	
Organic Content (%)	≤15	
Shrinkage at 982°C (%)	-1	
Packing of ceramic tape	Braided Bag/ Carton	
Specification (T x W x L)	2mm x 20mm x 30m	
	3mm x 20mm x 30m	
	2mm x 30mm x 30m	
	3mm x 30mm x 30m	
	2mm x 40mm x 30m	
	3mm x 40mm x 30m	
	2mm x 50mm x 30m	
	3mm x 50mm x 30m	
	2mm x 60 mm x 30m	
	3mm x 60 mm x 30m	
	2mm x 75 mm x 30m	
	3mm x 75 mm x 30m	
	2mm x 80 mm x 30m	
	3mm x 80 mm x 30m	
	2mm x 100 mm x 30m	
	3mm x 100 mm x 30m	
2mm x 150 mm x 30m		
3mm x 150 mm x 30m		



## CCEWOOL® Ceramic Fiber Rope



Temperature Grade: 1260°C (2300°F)

CCEWOOL® Ceramic Fiber Rope is a series of dense and resilient refractory ceramic fiber materials made from high-quality refractory ceramic fiber cotton as raw material, combined with lightweight yarn and woven through a special process. Depending on different temperature requirements and applications, it may include reinforced materials like glass filament or heat-resistant alloy steel wire. It is widely used in various high-temperature gasket, packing, and sealing applications, particularly suitable for

high-temperature and high-pressure mechanical sealing in pumps and valves. CCEWOOL® Ceramic Fiber Rope boasts excellent chemical stability, with the ability to resist most corrosive agents, as well as oxidation and reduction. Even if it gets wet with water or steam, its thermal and physical properties fully recover after drying.

### Characteristics:

- Low thermal conductivity
- Excellent thermal shock resistance, thermal stability
- Excellent tensile strength
- Sound insulation
- Easy cut and easy stall
- Containing no asbestos
- Chemical corrosion resistance.

### Application:

- Furnace doors insulation and seals
- Expansion joint filling in furnace and boiler
- Coke oven door seals
- High temperature gasket and packing
- Radiant tube packing heat treatment furnace
- Packed between steel bar and tube to avoid leakage of melting liquid

### TDS

CCEWOOL® Ceramic Fiber Rope		
Classification Temperature (°C)	1260 (2300°F)	
Name	Glass Filament Reinforced	Inconel Wire Reinforced Rope

	Rope	
Density (kg/m <sup>3</sup> )	550	
Long-term Operation Temp	550	1050
Water Content	≤2	
Organic Content (%)	≤15	
Shrinkage at 982°C (%)	-1	
Size (diameter) (mm)	6-120	
Packing of ceramic rope	Braided Bag/ Carton	

