

CCEWOOL Ceramic Fiber Yarn



Temperature Grade: 1260°C (2300°F)

CCEWOOL ceramic fiber yarn is produced from ceramic fiber bulk, reinforced with E-glass filament or high-temperature alloy wire through a specialized manufacturing process. It is widely used for installing thermal insulation materials and in heat transfer systems, as

well as for the production of other ceramic fiber textiles.

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 ³)	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 precision-woven from high-performance long-filament ceramic fiber yarn, offering a combination of strength, light weight, and flexibility. It is available in a range of thicknesses, widths, and densities to accommodate different application needs. A small amount of binder is included, which burns off completely at low temperature without carbon residue, ensuring excellent thermal insulation.

For enhanced mechanical durability, two reinforced series are available — nickel-alloy wire reinforced and glass-fiber reinforced — providing superior abrasion resistance and mechanical strength under high-temperature conditions. The cloth is easy to cut, sew, and shape, with extremely low shrinkage, and remains flexible even after prolonged exposure to elevated temperatures, making it ideal for both on-site installation and secondary processing.

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:

Our CCEWOOL ceramic cloth are widely used in heat pipe and container insulation, heat radiation shielding, protective clothing, high temperature fire curtain, cable or fuel pipeline protection, high temperature metal compensator refractory layer, and other industrial thermal insulation, fire-resistant and protection.

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CCEWOOL Ceramic Fiber Cloth		
Classification Temperature (°C)	1260 (2300°F)	
Name	Glass Filament Reinforced Cloth	Inconel Wire Reinforced Cloth
Density (kg/m ³)	550	
Long-term Operation Temp (°C)	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 (1/12" x 40" x 100')	
	3mm x 1m x 30m (1/8" x 40" x 100')	
	5mm x 1m x 20m (1/5" x 40" x 66')	
	6mm x 1m x 20m (1/4" x 40" x 66')	

CCEWOOL Ceramic Fiber Tape



Temperature Grade: 1260°C (2300°F)

CCEWOOL ceramic fiber tape is woven from high-quality ceramic fiber yarn and is available with either glass fiber or stainless steel reinforcement. It features excellent chemical stability, outstanding thermal shock resistance, and strong resistance to corrosion, mechanical vibration, and stress-induced damage.

It is ideal for industrial applications that require a strong, flexible, and high-temperature-resistant material.

CCEWOOL ceramic fiber tape is widely used in various thermal equipment and heat transfer systems for fire protection, insulation, sealing, and friction applications.

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:

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

TDS

CCEWOOL® Ceramic Fiber Tape		
Classification Temperature (°C)	1260 (2300°F)	
Name	Glass Filament Reinforced Tape	Inconel Wire Reinforced Tape
Density (kg/m ³)	550	
Long-term Operation Temp (°C)	550	1050
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 (1/12" x 4/5" x 100')	
	3mm x 20mm x 30m (1/8" x 4/5" x 100')	
	2mm x 30mm x 30m (1/12" x 6/5" x 100')	
	3mm x 30mm x 30m (1/8" x 6/5" x 100')	
	2mm x 40mm x 30m (1/12" x 8/5" x 100')	

	3mm x 40mm x 30m (1/8" x 8/5" x 100')
	2mm x 50mm x 30m (1/12" x 2" x 100')
	3mm x 50mm x 30m (1/8" x 2" x 100')
	2mm x 60 mm x 30m (1/12" x 12/5" x 100')
	3mm x 60 mm x 30m (1/8" x 12/5" x 100')
	2mm x 75 mm x 30m (1/12" x 3" x 100')
	3mm x 75 mm x 30m (1/8" x 3" x 100')
	2mm x 80 mm x 30m (1/12" x 16/5" x 100')
	3mm x 80 mm x 30m (1/8" x 16/5" x 100')
	2mm x 100 mm x 30m (1/12" x 4" x 100')
	3mm x 100 mm x 30m (1/8" x 4" x 100')
	2mm x 150 mm x 30m (1/12" x 6" x 100')
	3mm x 150 mm x 30m (1/8" x 6" x 100')

CCEWOOL Ceramic Fiber Round Rope



Temperature Grade: 1260°C (2300°F)

CCEWOOL ceramic fiber round rope is tightly twisted or braided from multiple high-performance fiber filaments, also known as filament rope or original fiber rope.

Reinforcements such as glass fiber or heat-resistant alloy steel wire can be added as needed to enhance tensile strength and connection reliability.

It offers exceptional chemical stability, resisting most corrosive media, and maintains performance in both oxidizing and reducing environments. Even after

exposure to moisture or steam, its thermal and physical properties fully recover upon drying.

CCEWOOL ceramic fiber round rope is widely used for high-temperature gaskets, packing, and dynamic sealing applications — especially ideal for mechanical sealing in high-temperature, high-pressure pumps and valves.

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:

High temperature pipe insulation and sealing;
 cable insulation coating, coke oven opening sealing;
 pyrolyzer brick wall expansion joints;
 electric stove and bake oven's door sealing;
 boiler, high temperature gas seals;
 flexible expansion joint connection.

TDS

CCEWOOL® Ceramic Fiber Round Rope		
Classification Temperature (°C)	1260 (2300°F)	
Name	Glass Filament Reinforced Rope	Inconel Wire Reinforced Rope
Density (kg/m ³)	550	
Long-term Operation Temp (°C)	550	1050
Water Content	≤2	
Organic Content (%)	≤15	
Shrinkage at 982°C (%)	-1	
Size (diameter) (mm)	6-120 (1/4"-24/5")	
Packing of ceramic rope	Braided Bag/ Carton	

CCEWOOL Ceramic Fiber Square Rope



Temperature Grade: 1260°C (2300°F)

CCEWOOL ceramic fiber square rope is tightly twisted or braided from multiple high-performance fiber filaments, also known as filament rope or original fiber rope. Reinforcements such as glass fiber or heat-resistant alloy steel wire can be added according to application requirements to significantly enhance tensile strength and connection reliability. With outstanding chemical stability, it resists most corrosive media and maintains performance in both

oxidizing and reducing environments. Even after exposure to moisture or steam, its thermal and physical properties fully recover once dried.

CCEWOOL ceramic fiber square rope is widely used as high-temperature gaskets, packing, and dynamic sealing components — especially ideal for mechanical sealing in high-temperature and high-pressure pumps and valves.

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:

- High temperature pipe insulation and sealing;
- cable insulation coating, coke oven opening sealing;
- pyrolyzer brick wall expansion joints;

electric stove and bake oven's door sealing;
boiler, high temperature gas seals;
flexible expansion joint connection.

TDS

CCEWOOL® Ceramic Fiber Square Rope		
Classification Temperature (°C)	1260 (2300°F)	
Name	Glass Filament Reinforced Rope	Inconel Wire Reinforced Rope
Density (kg/m ³)	550	
Long-term Operation Temp (°C)	550	1050
Water Content	≤2	
Organic Content (%)	≤15	
Shrinkage at 982°C (%)	-1	
Size (diameter) (mm)	6-120 (1/4"-24/5")	
Packing of ceramic rope	Braided Bag/ Carton	

CCEWOOL Low Biopersistent Fiber Textiles



Temperature Grade: 1200°C (2300°F)
CCEWOOL Low Biopersistent Fiber Textiles are made from soluble fibers combined with glass filament or stainless steel wire. Soluble fiber products are an innovative solution for high-temperature applications. Based on their unique chemical composition with calcium and

magnesium, they can meet the demands of 1200°C usage while maintaining significant solubility and environmental characteristics. CCEWOOL Low Biopersistent Fiber Textiles exhibit excellent chemical stability,

remaining unaffected by most chemicals except for hydrofluoric acid, phosphoric acid, and concentrated alkalis. Even when exposed to water or steam, their thermal and physical properties remain unaffected after drying. They possess a solubility certificate from the European Fraunhofer Laboratory.

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.

Applications:

- Furnace door insulation and sealing
- Filling expansion joints in boilers and kilns
- Coke oven door frame sealing
- High-temperature gaskets and packaging
- Expansion joint filling
- Heat treatment furnace for wrapping radiation tubes
- Coating between reinforcement and casing to prevent molten liquid leakage

TDS

Description	CCEWOOL Low Biopersistent Fiber Textiles					
	Cloth		Tape		Yarn	
Reinforcement	Glass Fiber	Stainless Steel	Glass Fiber	Stainless Steel	Glass Fiber	Stainless Steel
Continuous Temperature Use Limit (°C)	650	1000	650	1000	650	1000
Color	Light Bluish		Light Bluish		Light Bluish	
Density (kg/m ³)	500		550-600		-	

Organic Content (%)	≤18		≤18		≤18		
Description	CCEWOOL Low Biopersistent Fiber Textiles						
	Round Braided Rope		Square Braided Rope		Twisted Rope		Woolen Rope
Reinforcement	Glass Fiber	Stainless Steel	Glass Fiber	Stainless Steel	Glass Fiber	Stainless Steel	Glass Fiber
Continuous Temperature Use Limit (°C)	650	1000	650	1000	650	1000	650
Color	Light Bluish		Light Bluish		Light Bluish		Light Bluish
Density (kg/m ³)	550-600		550-600		550-600		550-600
Organic Content (%)	≤18		≤18		≤18		≤18