

CCEWOOL® Ceramic Fiber Yarn



Classification Temperature: 1260°C (2300°F)

Chemical Composition: Alumina, Silica

CCEWOOL® Ceramic Fiber Yarn is a high-temperature resistant yarn made from our own 1260°C ceramic fiber textile bulk and reinforced with alkali-free glass filament or high-temperature stainless steel wire through a patented spinning process. During

production, the fiber ratio, spinning tension, and reinforcement structure are precisely controlled to ensure stable yarn construction and uniform diameter.

While retaining the excellent high-temperature resistance of ceramic fiber, the yarn also provides good flexibility, mechanical strength, electrical insulation, and resistance to acids, oils, and chemical corrosion, making it suitable for a wide range of high-temperature insulation and sealing applications.

CCEWOOL® Ceramic Fiber Yarn is widely used for sewing, fixing, and installing high-temperature insulation materials and as an auxiliary component in thermal systems. It is also a basic raw material for manufacturing ceramic fiber cloth, tape, rope, sleeving, and protective textiles. Its stable performance makes it suitable for flexible sealing systems, fire-resistant clothing, fire blankets, and other high-temperature protection applications.

Characteristics:

- Excellent high-temperature strength;
- Excellent electrical insulation;
- Good mechanical strength and flexibility;
- Low thermal conductivity;
- Good processability;
- Excellent thermal insulation;
- Excellent corrosion resistance.

Applications:

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Sewing for high-temperature insulation and sealing systems;
Sewing and manufacturing of fire-resistant cloth, tape, and rope.

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Classification Temperature (°C)	1260 (2300°F)	
Name	Glass Filament Reinforced Yarn	Stainless-steel Reinforced Yarn
Long-term Operation Temp (°C)	650	1000
Water Content(%)	≤2	
Organic Content (%)	≤15	
Shrinkage at 982°C (%)	-1%	
Packing of ceramic fiber yarn	Braided Bag/ Carton	