

CCEWOOL® Ceramic Fiber Tape



Classification Temperature: 1260°C (2300°F)

Chemical Composition: Alumina, Silica

CCEWOOL® Ceramic Fiber Tape is a flexible high-temperature insulation product precision-woven from high-quality refractory ceramic fiber yarn. Depending on operating conditions, it can be reinforced with fiberglass filament or stainless steel wire to improve tensile strength, abrasion resistance, and mechanical stability. A small amount of organic carrier is used during weaving and forming and burns out completely at approximately 400°C without

affecting the subsequent insulation, fire-protection, or sealing performance.

CCEWOOL® Ceramic Fiber Tape combines lightweight construction, flexibility, and high strength, allowing it to conform closely to irregular structures while maintaining stable performance under high temperatures, vibration, and thermal cycling. Its excellent chemical stability also provides resistance to various corrosive media, together with good thermal shock resistance for long-term industrial service.

In practical applications, CCEWOOL® Ceramic Fiber Tape is widely used in heat-treatment equipment, metallurgical furnaces, hot-air and flue-gas ducts, high-temperature expansion joints, and sealing systems for fire protection, thermal insulation, sealing, and friction protection. Its reliable thermal stability and resistance to mechanical damage help extend equipment service life and reduce maintenance requirements.

Characteristics:

- Excellent thermal insulation;
- Low thermal conductivity;
- Excellent thermal shock resistance and thermal stability;
- Excellent tensile strength;
- Flexible with high mechanical strength;
- Good sound insulation;
- Easy to cut and install;

Asbestos-free;
Chemical corrosion resistance;
Good processability.

Applications:

Industrial furnace door sealing and high-temperature gap insulation;
Wrapping of pipes and valve bodies in heat-treatment and heating furnaces;
Fire protection for hot-air systems and exhaust ducts;
Filling and sealing of furnace lining expansion joints;
Thermal protection for automotive, shipbuilding, and power-generation equipment.

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CCEWOOL® Ceramic Fiber Tape		
Classification Temperature (°C)	1260 (2300°F)	
Name	Glass Filament Reinforced Tape	Stainless-steel Reinforced Tape
Density (kg/m ³)	500-550	
Long-term Operation Temp	650°C	1000°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