

CCEWOOL® Ceramic Fiber Paper



Temperature Grade 1260°C (2300°F), 1400°C (2552°F), 1430°C (2606°F)

CCEWOOL® Ceramic Fiber Paper is produced from high-purity refractory ceramic fibers along with a small amount of binder through a nine-step slag removal process. The product possesses excellent thermal insulation and construction properties, making it highly suitable for deep processing (such as multi-layer composites, punching, etc.) for applications including

high-temperature insulation, thermal insulation, sealing, electrical insulation, sound absorption, filtration, and more. Its exceptional resistance to molten metal penetration allows the product to be used as casting gaskets for isolation in the construction and glass industries. Refractory ceramic fiber paper is available in thicknesses ranging from 0.5 to 12mm and can be cut into various sizes and shapes according to customer requirements.

Characteristics:

- Low thermal capacity;
- Low thermal conductivity;
- Excellent electrical insulation properties;
- Excellent machining performance;
- High strength, tear resistance;
- High flexibility;
- Low shot content.

Application:

- Automotive and aerospace heat shields;
- Gaskets for ovens, stoves, heaters and other appliances;
- Automotive muffler insulation;
- Investment casting mold wrap;
- Expansion joints filling material;
- Insulation material for instruments and heating element.

TDS

CCEWOOL® Ceramic Fiber Paper			
Item	1260S	1400	1430HZ
Operation Temperature	1050°C (1922°F)	1200°C (2192°F)	1350°C (2462°F)
Density (kg/m3)	180-200		
Tensile Strength (PSI)	58	94	136

Linear Shrinkage (%)			
®1000C,24hrs	2	-	-
®1100C,24hrs	-	2	-
®1200C,24hrs	-	-	2
Lose on ignition (%)	9	9	9
Chemical Composition (%)			
Al2O3	42-47	52-55	39-40
Al2O3+SiO2	97	99	-
ZrO2	-	-	15-17
Fe2O3	1	0.2	0.2
Na2O+K2O	0.5	0.2	0.2
Specification (MM)			
	60000×610×1 (200'×24"×1/24")		
	30000×610×2 (100'×24"×1/12")		
	20000×610×3 (66'×24"×1/8")		
	15000×610×4 (50'×24"×1/6")		
	12000×610×5 (40'×24"×1/5")		
	10000×610×6 (33'×24"×1/4")		
	Min Width: 5cm (2")		
Package			
	Inner Plastic Bag +Outer Carton		

CCEWOOL® Intumescent Ceramic Fiber Paper



Temperature Grade 1260°C (2300°F)

CCEWOOL® Intumescent Ceramic Fiber Paper is produced from a mixture of high purity refractory ceramic fiber, natural graphite fine flakes, and organic binders through a fiber washing process. At about 1200 °F (649 °C), CCEWOOL® Intumescent Ceramic Fiber Paper expands up to maximum of 400% of its thickness. This feature serves as excellent material for gasket and sealing applications.

Characteristics:

Low thermal capacity;

Low thermal conductivity;

Excellent electrical insulation properties;

Excellent machining performance;
High strength, tear resistance;
High flexibility;
Low shot content.

Application:

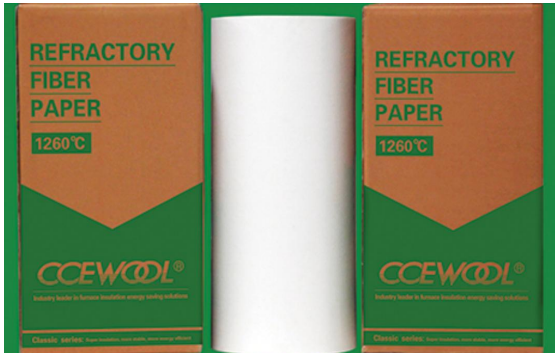
High temperature gasket and seals;
Expansion joints insulation material;
Fire proof;
Seals for industrial furnaces.

TDS

CCEWOOL® Intumescent Ceramic Fiber Paper	
Color	Gray
Maximum temperature rating °C	1260(2300°F)
Continuous use limit °C	1050(1922°F)
Melting point °C	1700(3092°F)
Chemical Content	
Silica, SiO ₂	45-48
Alumina Oxide, Al ₂ O ₃	42
Carbon, C	10-15
Other	2
Organic Binder	5-10
Tensile Strength	
16-18 pcf. density	0.5-0.7 Mpa
Expansion, %increase	
®400°F	90(from 3mm thickness)
®1800°F	420(from 3mm thickness)
®1800°F	320(from 3mm thickness)
Specification	
Sizes Available	610/1220mm (24"/48")
Thickness	2-5mm (1/12"-1/5")



CCEWOOL® Ceramic Fiber Retardant Paper



Temperature degree: 1260°C (2300°F), 1400°C (2550°F), 1430°C (2600°F)

CCEWOOL® ceramic fiber retardant paper is a new research of our company. Up to now, it is the only product which doesn't get burnt when contact fire in ceramic fiber paper field. By adding certain proportion fire retardants into ceramic fiber paper's composition, the paper can be directly contact with fire and won't get burnt.

Characteristics :

- retardant
- Low thermal capacity
- Low thermal conductivity
- Excellent electrical insulation properties
- Excellent machining performance
- High strength, tear resistance
- High flexibility
- Low shot content

Applications:

- Industrial insulation, sealing, anti-corrosion material
- Insulation material for instruments and heating element
- Insulation material for automobile and aerospace industry
- Expansion joints filling material
- Isolation for construction material, metallurgy and glass industries,
- Molten metal sealing gasket
- Fireproof material

TDS

CCEWOOL® Ceramic fiber retardant paper			
Item	1260STD	1400HA	1430HZ
Operation Temperature	1050°C	1200°C	1350°C
Density (kg/m3)	180-200		
Tensile Strength (PSI)	58	94	136
Linear Shrinkage (%)			
@1000C,24hrs	2	-	-
@1100C,24hrs	-	2	-
@1200C,24hrs	-	-	2

Lose on ignition (%)	9	9	9
Chemical Composition (%)			
Al ₂ O ₃	46	52-55	39-40
Al ₂ O ₃ +SiO ₂	97	99	-
ZrO ₂	-	-	15-17
Fe ₂ O ₃	1	0.2	0.2
Na ₂ O+K ₂ O	0.5	0.2	0.2
Specification (MM)	60000×610×1 (200'×24"×1/24")		
	30000×610×2 (100'×24"×1/12")		
	20000×610×3 (66'×24"×1/8")		
	15000×610×4 (50'×24"×1/6")		
	12000×610×5 (40'×24"×1/5")		
	10000×610×6 (33'×24"×1/4")		
	Min Width: 5cm (2")		
Package	Inner Plastic Bag +Outer Carton		

