

CCEWOOL® Low Biopersistent Fiber Blanket 2192



Temperature Grade 1200° C (2192° F)

CCEWOOL® Low Biopersistent Fiber

Blanket 2192 is made from alkaline earth silicate and is a calcium-magnesium insulating fiber. It is referred to as a soluble fiber because it has some solubility in bodily fluids. The introduction of MgO and CaO in soluble fibers enhances their flexibility,

elasticity, and provides excellent thermal and mechanical performance. CCEWOOL® Low Biopersistent Fiber Blanket 2192 exhibits outstanding chemical stability and is unaffected by most chemicals except for hydrofluoric acid, phosphoric acid, and concentrated alkalis. If it becomes wet or saturated with water or steam, its thermal and physical properties are not compromised. It's certified by Fraunhofer laboratory.

Characteristic:

Low thermal conductivity;

Low thermal storage;

High tensile strength;

Thermal shock resistance;

Lightweight;

Excellent corrosion resistance.

Application:

Reusable insulation for steam and gas turbines;

High-temperature kiln and furnace insulation;

Furnace door linings and seals;

Furnace repairs;



Boiler and incinerator linings;

Seals and gaskets;

Automotive heat shields;

Appliance insulation;

Fire protection;

Duct, stack and flue linings;

Molten metal splash protection.

TDS

CCEWOOL® Low Biopersistent Fiber Blanket 2192		
Classification Temperature (°C)(°F)	1200°C(2192°F)	
Chemical Composition (%)		
SiO ₂	65-68	
CaO	27-33	
MgO	2-7	
CaO+MgO	-	
Color	Light Bluish	
Shot Content (%)	≤12	
Density (kg/m ³)(4lb/ft ³)	96(6lb/ft ³)	128(8lb/ft ³)
Tensile Strength (kPa)	55	75
Permanent Linear Shrinkage (%)	1200°C x 24h ≤2.8	
Thermal Conductivity (W/m·K)		
200°C	0.05	0.04
400°C	0.09	0.08
600°C	0.19	0.15

800°C	0.3	0.2
1000°C	0.48	0.28
1200°C	0.69	0.49

Thickness	Density (kg/m ³)			Length	Width
	mm	96	128		
13	√	√	○	14640	610, 1220
19	√	√	○	9760	
25	√	√	√	7320	
38	√	√	√	4880	
50	√	√	-	3660	

Thickness	Density (lb/ft ³)			Length	Width
	in	6#	8#		
1/2"	√	√	○	600"	24", 48"
3/4"	√	√	○	400"	
1"	√	√	√	300"	
3/2"	√	√	√	200"	
2"	√	√	-	150"	

Note: (√) is standard size, Custom size are available

