

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/m³)	500		550-600		-		
Organic Content (%)	≤18		≤18		≤18		
Description	CCEWOOL® EcoFiber 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

