

Power Generation - Heat Recovery Steam Generators

Our EcoFiber modules ensure that this device reduces energy wastage by 20%.



CCEWOOL® Low Biopersistent Fiber Module



Temperature Grades: 1200°C (2192°F),
1300°C (2372°F)

CCEWOOL® Low Biopersistent Fiber Module is compressed from soluble fiber blankets. Low Biopersistent Fiber products are innovative solutions for high-temperature applications. Based on the unique characteristics of its

calcium-magnesium chemical composition, it can meet the requirements of use up to 1300°C (2372°F) while also exhibiting significant solubility and environmental properties. This module is designed to meet the insulation needs of industrial furnaces under specific thermal conditions. The bio-soluble fiber modules are produced with various anchoring systems for quick, easy, and efficient installation in most furnace linings. Module linings can improve furnace productivity and reduce maintenance costs.

Characteristics:

High temperature stability (up to 1300° C);

Low thermal conductivity;



Thermal shock resistance;
 Low heat storage;
 Lightweight;
 Fast installation & selection of attachment systems.

Application:

Heat treatment and forge furnaces;
 Annealing furnaces;
 Process heaters;
 Ceramic tunnel kilns and Intermittent kilns;
 Stress relieving furnaces;
 Door and cover linings;
 Carbottom heating furnaces;
 Stack, flue and duct linings;
 Incinerators and boilers;
 Ladle preheat stands.

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CCEWOOL® Low Biopersistent Fiber Module		
Classification Temperature (°C)(°F)	1200°C (2192°F)	1300°C (2372°F)
Chemical Composition (%)		
SiO ₂	65-68	≥70
CaO	27-33	-
MgO	2-7	-
CaO+MgO	-	≥20
Color	Light Bluish	Light Bluish
Density (kg/m ³)(lb/ft ³)	160-220(10-13.75)	160-220(10-13.75)

Permanent Linear Shrinkage (%)	1200°C x 24h ≤2.8	1300°C x 24h ≤3.0
Thermal Conductivity (W/m·K)		
400°C	0.07	0.07
600°C	0.12	0.13
800°C	0.19	0.2
1000°C	0.26	0.3
1200°C	0.38	0.41

