CCEWOOL Thermomax Inc.
salesusa@ccewool.com
www.ccewool.com

CCEWOOL® Low Biopersistent Fiber Bulk

Temperature degree: 1200°C (2192°F), 1300°C(2372°F)
CCEWOOL® Low Biopersistent Fiber Bulk consisits of calcium, magnesium, silicate.The fibers can be degraded in the human body to meet the requirements of health and environmental protection. CCEWOOL® Low Biopersistent Fiber Bulk serves as the foundation for soluble fiber products such as blanket,board.paper and other vacuum-formed products. It can meet European regulatory requirements (Directive 97/69/EC).

Characteristics:
Excellent thermal shock resistance;
Excellent thermal insulating performance;
Low thermal conductivity;
Low heat storage;
Low bio-persistence.

Application:
Raw material for finished soluble fiber products;
Insulating fill for complex spaces and difficult access;
Packing expansion Joints;
Tube seal packing;
Fire door infill.

TDS

CCEWOOL® Low Biopersistent Fiber Bulk		
Classification Temperature	1200°C(2192°F)	1300°C(2372°F)
Chemical Composition (%)		
SiO2	65-68	≥70
CaO	27-33	-
MgO	2-7	-
CaO+MgO	-	≥20
Color	Light Bluish	Light Bluish
Shot Content(%)	≤12	≤12
Fiber Diameter(μm)	3-5	3-5

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CCEWOOL® Low Biopersistent Chopped Fiber

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

CCEWOOL® LBP Chopped Fiber is manufactured from low biopersistent fiber (AES) using professional automated chopping equipment. Based on CCEWOOL® soluble fiber bulk as the raw material, the product is processed through a precisely controlled mechanical chopping method to achieve a more uniform fiber length distribution, thereby meeting the requirements of various industrial applications and downstream processing methods.

CCEWOOL® LBP Chopped Fiber can be processed into different fiber lengths and particle sizes according to customer requirements, in order to meet the needs of different production processes and application conditions. It can be used as an important raw material for soluble fiber boards, soluble fiber papers, and other wet-formed fiber products. It is also suitable for use as loose-fill insulation in high-temperature equipment such as industrial furnaces, boilers, pipelines, and chimneys.

As it is based on a low biopersistent fiber system, this product maintains good high-temperature performance while offering higher biosolubility, helping meet modern industrial requirements for occupational health and environmental standards.

According to different production process requirements, CCEWOOL® LBP Chopped Fiber is available in multiple specifications, including:

Milled Fiber

Fine Chopped Fiber

Medium Chopped Fiber

Coarse Chopped Fiber

Characteristics:

Excellent high-temperature stability;

Low thermal conductivity and low heat storage;

Excellent chemical stability;

Good thermal stability;

Excellent sound absorption performance.

Applications:

CCEWOOL® LBP Chopped Fiber is widely used in high-temperature industrial insulation systems and in the production of fiber products, including:

Raw material for LBP fiber boards, fiber papers, textiles, and vacuum-formed shapes;

Insulation filling material for industrial furnaces and other high-temperature equipment;

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Expansion joint filler;
Furnace bottom sealing material;
Pipe sealing material;
Burner block filler;
Chimney and flue insulation.

TDS

CCEWOOL® LBP Chopped Fiber		
Classification Temperature	1200°C(2192°F)	1300°C(2372°F)
Chemical Composition (%)		
SiO2	65-68	≥70
CaO	27-33	-
MgO	2-7	-
CaO+MgO	-	≥20
Color	Light Bluish	Light Bluish
Shot Content(%)	≤12	≤12

Temperature Grade	Fiber Type	Fibre Coating	Fiber Diameter	Description
2192°F (1200°C)	Spun	Lubricated or Unlubricated	3-5μm	Milled Fiber
2192°F (1200°C)	Spun		3-5μm	Fine Chopped Fiber
2192°F (1200°C)	Spun		3-5μm	Medium Chopped Fiber
2192°F (1200°C)	Spun		3-5μm	Coarse Chopped Fiber
2372°F (1300°C)	Spun		3-5μm	Chopped Fiber