

CCEWOOL® Ceramic Chopped Fiber



Temperature Grade: 1260°C (2300°F)

Chemical Composition: Alumina, Silica

CCEWOOL® Ceramic Chopped Fiber is produced from high-purity ceramic fiber bulk through a fully automated precision crushing and cutting process. The upgraded production system enables uniform cutting and stable fiber length control, while also

allowing engineered adjustment of fiber length and cutting method according to different process requirements, better meeting manufacturing applications with high demands for raw material consistency.

With its stable fiber structure and good processing adaptability, CCEWOOL® Ceramic Chopped Fiber is not only suitable for the production of ceramic fiber board, ceramic fiber paper, and related products, but is also an ideal base material for Fabrication processing. It can be further used in the manufacture of monolithic spray materials, vacuum formed components, custom-shaped parts, and other monolithic high-temperature insulation products.

At the same time, this product can also be widely used as loose-fill insulation in industrial kilns, boilers, pipelines, chimneys, and other high-temperature equipment, providing stable thermal insulation performance.

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

Milled Fiber

Fine Chopped Fiber

Medium Chopped Fiber

Coarse Chopped Fiber

Characteristics:

Controllable fiber length;
Low thermal conductivity;
Low heat storage;
Excellent thermal shock resistance;
High resilience;
Low thermal shrinkage;
High-purity fiber with strong chemical corrosion resistance;
Completely inorganic and asbestos-free;
Lightweight;
High installation efficiency;
Excellent sound absorption performance.

Applications:

Expansion joints and movement joint filling;
Furnace bottom sealing, pipeline sealing, and burner tile filling;
Loose-fill insulation and sealing for high-temperature applications;
Insulation for industrial kilns and boiler combustion chambers;
Combustion chambers of commercial and domestic boilers;
Vacuum formed and moldable shaped products;
Raw material for ceramic fiber board, paper, and related products;
Fiber raw material for wet process applications;
Chimney insulation;
Pipeline sealing.

TDS

CCEWOOL® Ceramic Chopped Fiber	
Classification Temperature (°C)	1260
Fiber Diameter (μm)	2-4
Chemical Composition (%)	
Al ₂ O ₃	≥43

SiO ₂	≥54
ZrO ₂	-
Color	White
Shot Content(%)	≤12
Packing	Braided Bag/ Vacuumed plastic bag+pallet

Temperature Grade	Fiber Type	Fibre Coating	Fiber Diameter	Description
2300°F (1260°C)	Blown	None	2-4μm	Milled Fiber
2300°F (1260°C)	Blown	None	2-4μm	Fine Chopped Fiber
2300°F (1260°C)	Blown	None	2-4μm	Medium Chopped Fiber
2300°F (1260°C)	Blown	None	2-4μm	Coarse Chopped Fiber
2550°F (1400°C)	Blown	None	2-4μm	Chopped Fiber
2300°F (1260°C)	Spun	None	3-5μm	Chopped Fiber
2600°F (1430°C)	Spun	None	3-5μm	Chopped Fiber