

CCEWOOL® Ceramic Bulk Fiber for Textile



Classification Temperature: 1260°C (2300°F)

Chemical Composition: Alumina, Silica

CCEWOOL® Ceramic Bulk Fiber for Textile is produced using our self-developed spinning process, which enables the fibers to maintain a longer length during fiberization. It is then further refined through a fine shot-removal process, effectively reducing shot content and making the fiber morphology more uniform and cleaner.

Thanks to its longer fiber length and stable fiber structure, CCEWOOL® Ceramic Bulk Fiber for Textile offers superior spinnability. During spinning, the fibers are easier to form into yarn, allowing stable production of various ceramic fiber yarns, fabrics, and related textile products.

At the same time, relying on its stable fiber quality and good processing adaptability, this product is also more suitable as a base material for Fabrication processing. It can be further used in the manufacture of high-temperature tapes, ropes, sleeves, cloth, and other flexible high-temperature insulation and sealing products, better meeting the requirements of downstream processing for fiber length, consistency, and spinnability.

Characteristics:

- Excellent spinnability;
- Low thermal conductivity;
- Low heat storage;
- Excellent thermal stability;
- Low thermal shrinkage;
- Excellent thermal shock resistance;

Excellent corrosion resistance;

Completely inorganic.

Application:

Raw material for ceramic fiber textiles (yarn, cloth, tape, and rope)

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CCEWOOL® Ceramic Bulk Fiber for Textile	
Classification Temperature (°C)	1260
Fiber Diameter(μm)	3-5
Chemical Composition(%)	
Al ₂ O ₃	≥43
SiO ₂	≥54
ZrO ₂	-
Color	White
Shot Content(%)	≤15
Packing	Braided Bag/ Carton