

CCEWOOL Ceramic Bulk Fiber



Temperature Grades: 1100°C (2012°F), 1260°C (2300°F), 1400°C (2550°F), 1430°C (2600°F)

CCEWOOL Ceramic Bulk Fiber is produced by melting high-purity raw materials such as kaolin clinker, alumina powder, silica powder, and zircon sand in an industrial electric furnace. The molten fluid is then converted into fibers through compressed air blowing or spinning techniques, followed by fiber collection to form loose ceramic fiber wool.

CCEWOOL Ceramic Bulk Fiber offers excellent resistance to most chemical attacks. It is lightweight, strong, and has low heat storage,

effectively conserving energy. With superior thermal shock resistance, it performs reliably in harsh high-temperature environments.

As the base material for manufacturing ceramic fiber blankets, boards, and papers, CCEWOOL Ceramic Bulk Fiber can also be directly used in various high-temperature applications, such as filling, packing, and insulation materials.

Characteristics:

Low heat capacity and low thermal conductivity;

Excellent chemical stability;

Excellent thermal stability, resistance to pulverization at high temperature;

With no binders or corrosive substances;

Excellent sound absorption.

Applications:

Raw material for fiber blanket, board products;

Raw material for fiber textile products;

Fillings for wall lining gap in high temperature furnace, heating device;

Raw material wet processed products;

Fiber spraying;

Castables;

Raw material for coatings;

Insulation fillings for corner and complex space.

TDS

CCEWOOL Ceramic Bulk Fiber					
Description	1100	1260S	1260 HPS	1400	1430 HZ
Fiber Diameter(μm)	3.0-5.0				
Chemical Composition(%)					
Al2O3	≥43	≥44	≥44	≥52	≥35
SiO2	≥52	≥52	≥55	≥47	≥49
ZrO2	-	-	-	-	≥15
Color	White	White	White	White	White
Shot Content(%)	≤15	≤15	≤15	≤15	≤12
Packing	Braided Bag/ Carton				