

CCEWOOL® Ceramic Bulk Fiber



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

CCEWOOL® Ceramic Bulk Fiber is produced by melting high-purity raw materials such as clay grog, aluminum oxide powder, silica powder, and zircon sand in an industrial electric furnace at high temperatures to form a fluid. Then, it is transformed into fiber-like structures through processes like compressed

air blowing or spinning with a centrifuge, and collected to create ceramic fiber cotton.

CCEWOOL® Ceramic Bulk Fiber can resist most types of chemical corrosion. They are lightweight, durable, have low heat storage capacity, effectively save energy, and exhibit excellent resistance to thermal shocks, making them suitable for use in harsh environments. CCEWOOL® Ceramic Bulk Fiber serves as a raw material for the production of refractory ceramic fiber blankets, boards, papers, and can also be directly used in various high-temperature applications such as high-temperature insulation and packaging 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 thermal shock resistance;

Lightweight.



Applications:

Raw material for fiber blanket, board, textile and unshaped vacuum formed products;

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

Fiber spraying;

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(%)					
Al ₂ O ₃	≥43	≥44	≥44	≥52	≥35
SiO ₂	≥52	≥52	≥55	≥47	≥49
ZrO ₂	-	-	-	-	≥15
Color	White	White	White	White	White
Shot Content(%)	≤15	≤15	≤15	≤15	≤12
Packing	Braided Bag/ Carton				

