

CCEWOOL® Classic series Ceramic Fiber Bulk

Description:

CCEWOOL® classic series ceramic fiber bulk is manufactured from kaolin. The impurities such as Fe₂O₃, TiO₂ and Na₂O will be much reduced through refinement to guarantee low shot content. These products are manufactured on computer-controlled, state-of-the-art furnaces to provide customers with consistent fiber properties. Besides as the material of blanket, board and paper, these bulk fiber can also be directly used as high-temperature fill and packing material in a variety of high temperature applications.

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, 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

Technical Data:

CCEWOOL® Classic series Ceramic fiber bulk					
Item	1050	1260STD	1260 HP	1400HA	1430 HZ
Density (kg/m ³)	2.73g/cm ³				2.67g/cm ³
Mean Fiber Diameter (μm)	3.0-5.0				
Shot Content (%) ϕ $\geq 0.212\text{mm}$	≤ 15	≤ 15	≤ 15	≤ 15	≤ 11
Chemical Composition (%)					
Al ₂ O ₃	≥ 44	≥ 45	≥ 45	≥ 53	≥ 36
SiO ₂	≥ 52	≥ 52	≥ 54	≥ 46	≥ 48
ZrO ₂ (%)	-	-	-	≤ 0.2	≥ 15
Fe ₂ O ₃	≤ 1.0	≤ 0.8	≤ 0.2	≤ 0.1	≤ 0.1
Al ₂ O ₃ +SiO ₂	≥ 96	≥ 97	≥ 99	≥ 99	-
Al ₂ O ₃ +SiO ₂ +ZrO ₂	-	-	-	-	99
Packing	Braided Bag/ Carton				