

Technical Data

Ceramic Bulk & Chopped Fiber

Product Introduction

As the crucial and staple materials for producing ceramic fiber blanket, board, module and other formed products, FiberLink ceramic bulk fiber is normally manufactured from high purity raw materials-alumina powder, silica sand through unique production techniques of spun or blowing, these bulks are loose, long and flexible with fine thermal properties, at present, the chopped fibers for vacuum formed production, the lubricated bulk fibers and the fiber for textiles are all available. Fiberlink ceramic bulk fibers serve as an ideal filler for various types of refractory lining and insulation tools.

Product Forms

Ceramic fiber is available in both chopped and unchopped grades to

provide customers with a fiber ideally suited for their application. Also, based on the different manufacturing process and raw material, we can provide spun ceramic fiber made from mined material (F2), blown ceramic fiber made from mined material (F3) and spun ceramic fiber made from High Purity material (F4).

Features

- Low heat storage and thermal conductivity
- Excellent chemical and thermal stability
- Contains no bonding agent and corrosive substance
- Thermal shock resistance and acoustic absorption
- Asbestos free and flexible applications

Applications

FiberLink Ceramic Bulk Fiber is typically used in the manufacture of other ceramic fiber based product forms such as:

- Staple materials for other ceramic fiber products
- Expansion joint packing
- Filtration media
- Moldable / Mastics feedstock
- Ladle insulation

Stacking

FiberLink Ceramic Bulk Fiber is put into plastic bags by vacuum packaging before palletized for shipping.

Specifications

Item	F2, 1260°C bulk/chopped	F4, 1260°C bulk	F3, 1260°C chopped	F2, 1400°C bulk/chopped	F2, 1600°C bulk
Classification Temperature (°C)	1260	1260	1260	1400	1600
Color	White	White	White	White	White
Fiber Diameter (µm)	3.5	3.5	3.5	3.5	5.7
AL ₂ O ₃ (%)	≥ 44	≥ 45	≥ 45	≥ 34	72
SiO ₂ (%)	≥ 52	≥ 54	≥ 54	≥ 50	28
Fe ₂ O ₃ (%)	≤ 1	≤ 0.5	≤ 0.5	≤ 0.5	-
TiO ₂ (%)	tr	tr	tr	tr	-
Na ₂ O (%)	≤ 1	≤ 0.2	≤ 0.2	≤ 0.2	-
ZrO ₂ (%)				≥ 15	-
Shot 212 µm ≤ (%)	15	15	15	12	12

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