

BULK FIBRE

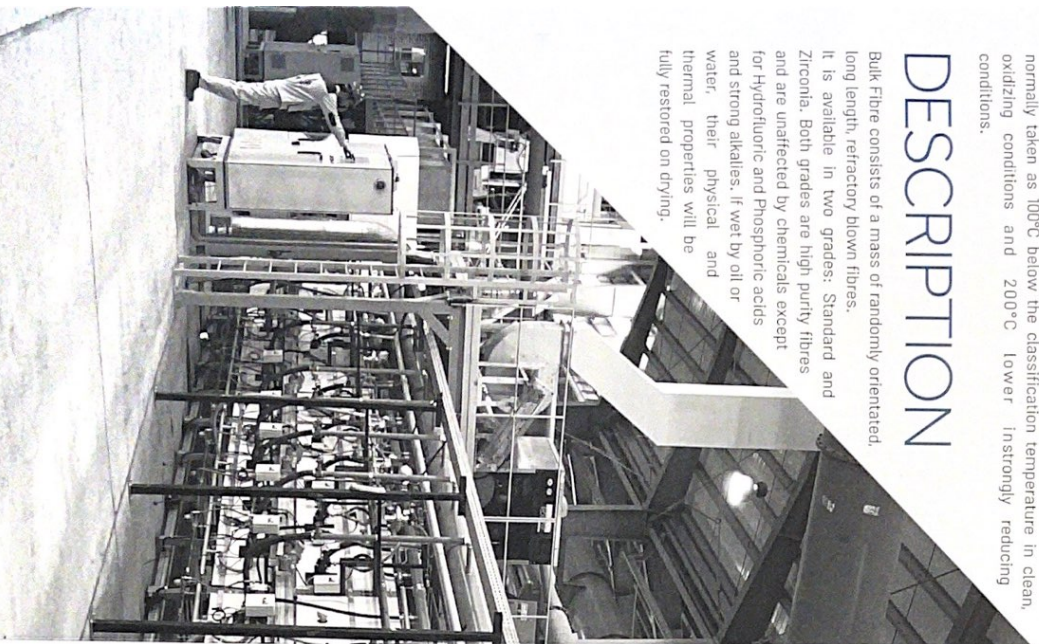
TYPE: Spun Fiber

Classification temperature:
1260°C
1425°C

The maximum practical temperature depends on the application but is normally taken as 100°C below the classification temperature in clean, oxidizing conditions and 200°C lower in strongly reducing conditions.

DESCRIPTION

Bulk Fibre consists of a mass of randomly orientated, long length, refractory blown fibres. It is available in two grades: Standard and Zirconia. Both grades are high purity fibres and are unaffected by chemicals except for Hydrofluoric and Phosphoric acids and strong alkalis. If wet by oil or water, their physical and thermal properties will be fully restored on drying.



MAIN PROPERTIES

PHYSICAL PROPERTIES	STD	HZ
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Classification Temp. C° 1260 1430

Color White White

CHEMICAL COMPOSITION		
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Al₂O₃ % 42 - 46 33 - 37

ZrO₂ % - 13 - 17

SiO₂ % 54 - 58 48 - 52

Fe₂O₃ % 0.1 0.1

FIBER DIAMETER		
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µm 3 - 5 3 - 5

PACKING		
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Nylon + 5 Layer Carton ✓ ✓
(Weight: 10 KG)

SHOT CONTENT		
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% 9-10 9-10

APPLICATIONS

Bulk

General insulation: as infill for the roofs and walls of certain types of furnaces and kilns.

Expansion joints, patching and emergency repairs in furnaces, boilers, heaters and etc.

Sealing: around penetrations in furnace, heaters and boiler walls, e.g. tubes, burners and sight holes.

AVAILABLE FORMS

Bulk Lubricated

Standard
Zirconia

Control of shot

Using modern technology, AKA is able to control the fibre index (100 shot content) of all the grades of chopped fibre. This is necessary where excess shot can be detrimental to the process or to the finished product. The above mentioned chopped fibres have a fibre index of 55 at 45micrometers.

