

## FIBERFRAX BULK AND CHOPPED FIBRES

Fiberfrax refractory ceramic fibres provide the basis for the entire family of Fiberfrax product forms. Fiberfrax Bulk and Chopped Fibres are available in a variety of lengths, mean diameters, and chemistries.

As a world leader in the production of refractory ceramic fibres we are able to engineer one of the most comprehensive ranges of fibres available with characteristics optimised to suit a wide variety of applications.



### **General characteristics**

Fiberfrax Bulk and Chopped Fibres have the following outstanding characteristics:

- High temperature stability
- Low thermal conductivity
- High resiliency
- Resistance to thermal shock
- Low chemical reactivity
- Good sound absorption

### **Typical applications**

- Loose insulating fill for voids
- Expansion joint packing
- Wet process feedstock
- Textile manufacture

Any new and/or special use of these products, whether or not in an application listed in our literature, must be submitted to our technical department for their prior written approval.

### **Handling Information**

A Material Safety Data Sheet has been issued describing the health, safety and environmental properties of this product, identifying the potential hazards and giving advice on handling precautions and emergency procedures. This must be consulted and fully understood before handling, storage or use.

<b>Typical Chemical Analysis</b> (fibre wt. %)			
<i>Grade</i>	1250°C	1350°C (H)	1400°C (Z)
SiO <sub>2</sub>	50.0 – 58.0	46.0 – 50.0	52.0 – 56.0
Al <sub>2</sub> O <sub>3</sub>	42.0 – 52.0	50.0 – 54.0	28.0 – 32.0
ZrO <sub>2</sub>	-	-	14.0 – 18.0
Alkalis	< 0.25	< 0.25	< 0.25
Fe <sub>2</sub> O <sub>3</sub> + TiO <sub>2</sub>	< 0.20	< 0.20	< 0.20

\*Grade Temperature reflects the composition and method of manufacture of the product and is based on Classification Temperature of the fibre in blanket form.

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<b>Bulk fibres</b>					
<i>Grade</i>	<i>Spun/Blown</i>	<i>Fibre coating</i>	<i>Grade Temp.</i>	<i>Mean Fibre Diameter</i>	<i>Description</i>
B10	B	None	1250°C	2.10 micron	Regular
B12	B	None	1350°C	2.10 micron	H Regular
B20	B	Organic lubricant	1250°C	2.10 micron	Lubricated
B22	B	Organic lubricant	1350°C	2.10 micron	H Lubricated
S20	S	Organic lubricant	1250°C	3.25 micron	Spun Lubricated
S24	S	Organic lubricant	1400°C	3.25 micron	Spun Z Lubricated

<b>Chopped fibres</b>					
<i>Grade</i>	<i>Spun/Blown</i>	<i>Fibre coating</i>	<i>Grade Temp.</i>	<i>Mean Fibre Diameter</i>	<i>Description</i>
B100	B	None	1250°C	2.10 micron	Milled
B102	B	None	1250°C	2.10 micron	Fine Chopped
B104	B	None	1250°C	2.10 micron	Medium Chopped
B106	B	None	1250°C	2.10 micron	Coarse Chopped
B126	B	None	1350°C	2.10 micron	H Chopped
B900	B	None	1250°C	2.10 micron	Coarse Chopped
S104	S	None	1250°C	3.25 micron	Spun Chopped
S144	S	None	1400°C	3.25 micron	Spun Z Chopped

### **Availability**

Fiberfrax Bulk and Chopped Fibres are available as standard in 20kg and 25kg polythene bagged bales. Other sizes available on request subject to minimum order requirements. Fiberfrax Milled Fibres available in 25kg bags.