



## DESCRIPTION

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 Unifrax is 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.

*Start saving energy now.  
Contact your local distributor.*

**Unifrax Ltd.**

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The logo for Unifrax, featuring the word "UNIFRAX" in a bold, white, sans-serif font. The letters are set against a dark blue background that is part of a larger graphic element consisting of several overlapping rectangular shapes.

## BULK FIBRES

Grade	Spun/Blown	Fibre Coating	Grade Temp. (°C)	Mean Fibre Diameter (microns)	Description
B10	B	None	1250	2.10	Regular
B12	B	None	1350	2.10	H Regular
B20	B	Organic Lubricant	1250	2.10	Lubricated
B22	B	Organic Lubricant	1350	2.10	H Lubricated
S20	S	Organic Lubricant	1250	3.25	Spun Lubricated
S24	S	Organic Lubricant	1400	3.25	Spun Z Lubricated

## CHOPPED FIBRES

Grade	Spun/Blown	Fibre Coating	Grade Temp. (°C)	Mean Fibre Diameter (microns)	Description
B100	B	None	1250	2.10	Milled
B102	B	None	1250	2.10	Fine Chopped
B104	B	None	1250	2.10	Medium Chopped
B106	B	None	1250	2.10	Coarse Chopped
B126	B	None	1350	2.10	H Chopped
S104	S	None	1250	3.25	Spun Chopped
S144	S	None	1400	3.25	Spun Z Chopped

## TYPICAL CHEMICAL ANALYSIS (wt.%)

	Grade temperature*		
	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 - 50.0	50.0 - 54.0	28.0 - 32.0
ZrO <sub>2</sub>	-	-	14.0 - 18.0
Fe <sub>2</sub> O <sub>3</sub> + TiO <sub>2</sub>	<0.2	<0.2	<0.2
Alkalis	<0.25	<0.25	<0.25

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

## 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.

## 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.

Supplied by: