

INSULFRAX® BULK AND CHOPPED FIBRES

Insulfrax alkaline earth silicate wool provide the basis for the entire family of Insulfrax product forms.

As a world leader in the production of alkaline earth silicate wools, Insulfrax 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

Insulfrax Bulk and Chopped Fibres have the following outstanding characteristics:

- High temperature stability (up to 1200°C)
- Low thermal conductivity
- Good sound absorption
- Excellent wet forming characteristics

Typical Applications

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

Typical Product Parameters

Chemical Analysis (Fibre wt.%)	
SiO ₂	61.0 - 67.0
CaO	27.0 - 33.0
MgO	2.5 - 6.5
Al ₂ O ₃	< 1.0
Fe ₂ O ₃	< 0.6

Physical Properties

Colour	White
Melting Point	> 1330°C
Grade Temperature *	1200 °C
Mean Fibre Diameter	3.2 microns

* Grade Temperature is based Classification Temperature of the fibre in blanket form and is not a definition of the operational limit of these products. For certain applications operational temperature limits may be significantly reduced. Where appropriate Physical Properties data measured according to EN 1094-1.

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Bulk Fibers

Grade	Fibre Coating	Description
S16	None	Regular
S26	Organic Lubricant	Lubricated

Chopped Fibers

Grade	Fibre Coating	Description
S162	None	Fine Chopped
S163	None	Medium Chopped
S164	None	Coarse Chopped

Availability

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

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.