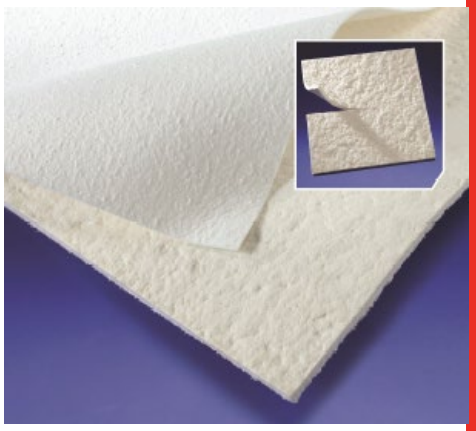
ISOFRAX 1260°C FELT

INSULCON
LEADER IN HIGH TEMPERATURE SOLUTIONS

TECHNICAL DATASHEET

LEADER IN HIGH TEMPERATURE SOLUTIONS

Isofrax 1260°C Felt is manufactured from Isofrax alkaline earth silicate wool, blended with specially selected organic binders to give flexible felts with exceptional characteristics.



Our advanced felting process ensures a lightweight, high strength product enhanced by low thermal conductivity and exceptional handling characteristics. Isofrax 1260°C Felt is available in a range of thicknesses and sheet sizes.

General Characteristics

Isofrax 1260°C Felt has the following outstanding characteristics:

- High temperature stability
- Good handling strength
- Lightweight
- Excellent flexibility
- Easy to cut and shape

Typical Applications

- High temperature gaskets and seals
- Ingot mould liners
- Molten metal transfer systems (back-up insulation)
- Expansion joints
- Insulating wrap for shrouds/stopper rods in steel 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.

Typical Product Parameters

Typical Chemical Analysis (fibre wt. %)

SiO_2	70,0 – 80,0
MgO	> 18,0 – 27,0
Trace	< 4,0

Form: A1-224
Effective: 03012022/ES
Supersedes: 18022010/ES/tc
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Physical Properties

Colour	White/Tan
Melting Point (°C)	> 1500
Product Density (kg/m^3)	170-270
Tensile Strength (kPa)	> 50
Mean Fibre Diameter (microns)	4,0
Loss on Ignition (%)	< 10,0

Thermal Conductivity (W/mK)

Mean Temp.	
400°C	0,08
600°C	0,11
800°C	0,15
1000°C	0,20

Isofrax products are suitable for a variety of high temperature applications. For specific advice on application and operational temperature limits please contact us. Where appropriate Physical Properties data measured according
to EN 1094-1.

Availability

Thickness (mm)	Isofrax 1260°C Felt	Sheets per Carton	
	Sheet Sizes	*1000 x 610 mm*	*1250 x 1000 mm*
6	✓	16	16
9	✓	10	10
12	✓	8	8
18	✓	5	5
25	✓	4	4

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.

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