

Isofrax® 1260C is a revolutionary new fibre with a unique, patented silica-magnesia chemistry. Designed to be used in a wide variety of demanding, high temperature applications, Isofrax has very high solubility in simulated body fluids and meets the European and German regulatory requirements.

Isofrax 1260C Felt is manufactured by taking long, spun Isofrax fibres and incorporating them in a wet forming process, producing a flexible product with good handling strength. Isofrax 1260C Felt has excellent chemical stability and is unaffected by most chemicals except hydrofluoric acid, phosphoric acid and strong alkalis.



GENERAL CHARACTERISTICS

Isofrax 1260C Felt has these outstanding characteristics:

- High temperature stability (up to 1260°C)
- Low thermal conductivity
- Good handling strength
- Easy to cut
- Low heat storage
- Good thermal shock resistance
- Good flexibility

Typical Chemical Analysis (Fibre wt. %)

SiO ₂	70.0 – 80.0
MgO	18.0 – 27.0
Trace	< 4.0

Loss on Ignition	< 10%
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TYPICAL PRODUCT PARAMETERS

Physical Properties

Colour	Off white - light tan
Melting Point	> 1500°C
Mean Fibre Diameter	4.0 – 4.5 microns
Tensile Strength (as rc'd)	> 50 kPa
Fibre Index (% by wt)	> 40
Density	170 – 270 kg/m ³

Thermal Conductivity Data (W/mK)

400°C Mean Temp.	0.08
600°C Mean Temp.	0.11
800°C Mean Temp.	0.15
1000°C Mean Temp.	0.20

Where appropriate Physical Properties and Thermal Conductivity Data measured according to ENV 1094 - 7:1994

Typical Applications

- Automotive and aerospace heat shields
- Hot Top insulation for steel ingots
- Back-up insulation for furnaces and launder systems
- Insulating wrap for shrouds/stopper rods in steel manufacture
- Gaskets for low pressure casting systems
- Thermocouple tube protection

Availability

Standard thicknesses (mm)	3	6	9	12	18	25
Standard sheet sizes (m)						
610mm x 1000mm	✓	✓	✓	✓	✓	✓
1250mm x 1000mm	✓	✓	✓	✓	✓	✓

Other thickness/width/length variations subject to order.

Supplied by:

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Handling Information

A Material Safety Data Sheet is available for this product.



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