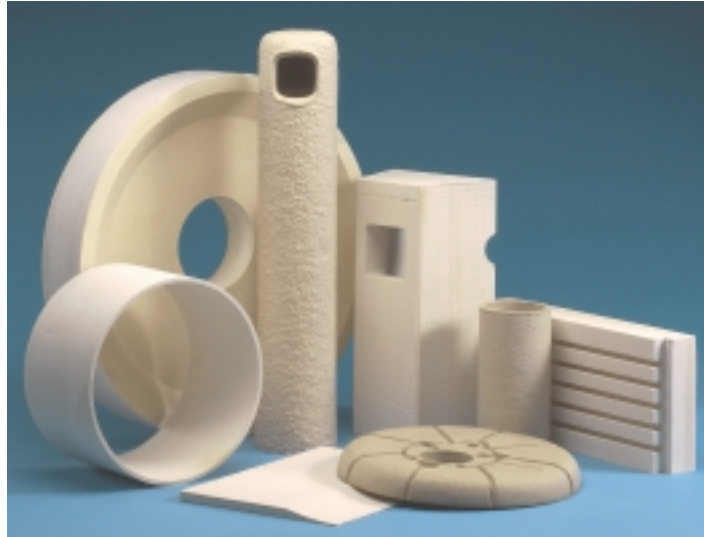


Isofrax® 1260C is a revolutionary new fibre with a unique, patented silica-magnesia chemistry. Designed to be used in a wide variety of demanding, high temperature applications, Isofrax has very high solubility in simulated body fluids and meets the European and German regulatory requirements.

Isofrax 1260C Rigiform™ and Flexiform™ shapes are produced by wet mixing Isofrax bulk fibres with selected organic and inorganic binders. This production method and our subsequent reprocessing facilities allow us the opportunity to vary composition, thickness, density, hardness and quality of finish to suit specific application requirements. Isofrax 1260C Rigiform and Flexiform shapes have excellent chemical stability and are unaffected by most chemicals except hydrofluoric acid, phosphoric acid and strong alkalis.



GENERAL CHARACTERISTICS

Isofrax 1260C Rigiform and Flexiform shapes have these outstanding characteristics:

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

Typical Chemical Analysis (fibre wt. %)

SiO ₂	70.0 – 80.0
MgO	18.0 – 27.0
Trace	< 4.0
Loss on Ignition	< 10%

TYPICAL PRODUCT PARAMETERS

Physical Properties

	Rigiform	Flexiform
Colour	White	White
Melting Point	> 1500°C	> 1500°C
Mean Fibre Diameter (microns)	4.0 – 4.5	4.0 – 4.5
Density (kg/m ³)	250 - 400	150 - 250

Thermal Conductivity Data (W/mK)

	Rigiform	Flexiform
Typical Density	250 kg/m ³	220 kg/m ³
400°C Mean Temp.	0.07	0.08
600°C Mean Temp.	0.10	0.11
800°C Mean Temp.	0.15	0.15
1000°C Mean Temp.	0.21	0.20

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

Typical Applications

- Boiler combustion chamber linings
- Petrochemical reformer tube seals and peepholes
- Back-up to insulating brick/castable linings
- Snorkel protection in steel continuous casting
- Steel sampling sleeves and thermocouple protection
- Cooker element supports
- Gas fire parts

Availability

- Both Rigiform and Flexiform shapes are engineered according to individual customer specifications and are therefore made to order. Please consult your local Sales Office or Distributor to discuss your requirements.
- Rigiform shapes are typically available in thicknesses ranging from 5mm to 200mm, depending on the size and geometry of the piece.
- Flexiform shapes are manufactured in thicknesses from 5mm to 100mm depending on piece size/geometry.
- Both types of product normally have a smooth inner (mould) surface and a textured outer surface. Any other requirement must be clearly pointed out prior to quotation.
- Packaging for all grades is normally in either cardboard cartons or shrink-wrapped on pallets.

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Handling Information

A Material Safety Data Sheet is available for this product.



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Further information and advice on specific details of the products described should be obtained in writing from a Unifrax Corporation company (Unifrax Benelux, Unifrax España, Unifrax France, Unifrax GmbH, Unifrax Italia, Unifrax Limited).

Unifrax maintains a continuous programme of product development and reserves the right to change product specifications without prior notice. Therefore, it remains at all times the responsibility of the customer to ensure that Unifrax materials are suitable for the particular purpose intended.

Similarly, insofar as materials not manufactured nor supplied by Unifrax are used in conjunction with or instead of Unifrax materials, the customer should ensure that all technical data and other information relating to such materials has been obtained from the manufacturer or supplier. Unifrax accepts no liability arising from the use of such materials.

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