

## ISOFRAX™ 1260C PAPER

**Isofrax® 1260 Paper is based on a revolutionary new fiber 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 Paper is a unique product which is manufactured by forming Isofrax 1260C Fiber in a non-woven matrix. The fibers are randomly oriented during manufacture, then held in place with a latex binder system. A specialized, statistically controlled paper-making process is utilized to form uniform, lightweight, flexible materials, including Isofrax 1260C Paper.

Isofrax 1260C Fiber is the product of a long-term research and development effort by Unifrax to produce a fiber which has the high temperature performance characteristics required in many applications at temperatures up to 1260°C/2300°F.

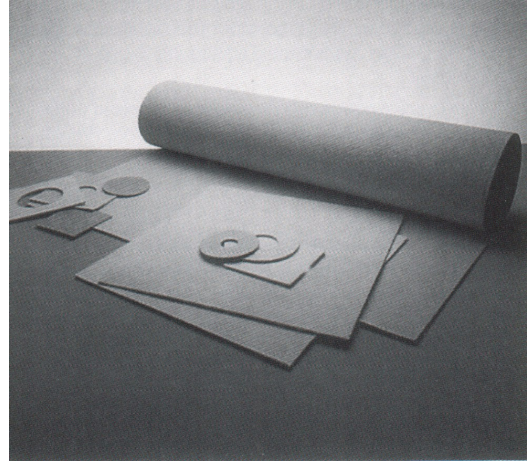
Isofrax 1260C Paper exhibits excellent chemical stability and resistance to attack from most corrosive agents. Exceptions include hydrofluoric acid, phosphoric acid and strong alkalis. Isofrax 1260C Paper also provides superior wetting resistance to molten aluminum alloys at high temperatures.

Isofrax 1260C Paper will generate small amounts of smoke and trace element outgassing during initial exposure to temperatures above 230°C (446°F).

### Isofrax 1260C Paper Advantages

Isofrax 1260C Paper offers many unique problem-solving advantages which include: 0 High-temperature stability (see Table 1)

- Low thermal conductivity
- Meets European regulatory requirements
- Flexibility
- Easy to wrap, shape, or cut
- Margin of safety



### Applications

Isofrax 1260C Paper is used in many different applications, which include:

- Automotive and aerospace heat shields
- Gaskets for ovens, stoves, heaters and other appliances
- Highly efficient refractory backup insulation in ladles, glass tanks and other high-temperature furnaces
- Automotive muffler insulation
- Insulating wrap for shrouds/stopper rods in steel
- manufacturing
- Investment casting mold wrap
- Thermocouple tube protection

### Typical Product Properties

Colour	White
Melting Point	>1500°C
Temperature Grade	1260°C
Recommended Operating Temperature	1175°C
Average Tensile Strength	385 kPa
Compression	
11 kPa	10%
32 kPa	25%
175 kPa	50%
Density	160kg/m <sup>3</sup>
Fiber Index	70% Wt
LOI (including binder)	7 – 10%
Thickness	1, 2, 3 & 6mm
Width	610, 1220mm

*Note: The recommended operating temperature is determined by irreversible change criteria, not melting point.*

**Data are average results conducted under standard procedures and are subject to variation. Results should not be used for specification purposes.**