



## DESCRIPTION

Fiberfrax<sup>®</sup> Ceramic Fibre Ropes are manufactured using Fiberfrax<sup>®</sup> Durablanket strips compressed and externally braided with fibre glass or stainless steel wire. They possess all the high temperature and superior properties of Fiberfrax<sup>®</sup> fibres and are suited for use in a wide range of industrial applications. Fiberfrax<sup>®</sup> Ceramic Fibre Ropes are available in a wide range of grades and diameters.

## GENERAL CHARACTERISTICS

Fiberfrax<sup>®</sup> Ceramic Fibre Ropes have the following outstanding characteristics :

- High temperature stability
- Resistance to thermal shock and chemical attack
- Excellent handling strength
- Easy to wrap & cut

## TYPICAL APPLICATIONS

- High temperature gaskets and packing
- Furnace, kiln and oven door seals
- Mould seals
- Insulating pipe wrap
- Expansion joints
- Asbestos substitute

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.

*greener  
cleaner  
safer*  
specialty fibers for  
a greener, cleaner, safer world

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**UNIFRAX**

## TYPICAL PRODUCT PARAMETERS

<i>Fiberfrax<sup>®</sup> Ceramic Fibre Rope</i>	<i>Z</i>	<i>S</i>
<b>Typical Chemical Analysis (%) of Durablanket Strip</b>		
<i>Al<sub>2</sub>O<sub>3</sub></i>	<i>30 - 34</i>	<i>42 - 47</i>
<i>SiO<sub>2</sub></i>	<i>50 - 54</i>	<i>53 - 58</i>
<i>ZrO<sub>2</sub></i>	<i>14 - 18</i>	<i>-</i>
<i>Fe<sub>2</sub>O<sub>3</sub></i>	<i>&lt; 0.1</i>	<i>&lt; 0.1</i>
<i>TiO<sub>2</sub></i>	<i>&lt; 0.3</i>	<i>&lt; 0.3</i>
<i>Leachable Chlorides, ppm</i>	<i>&lt; 10</i>	<i>&lt; 10</i>
<b>Physical Properties of Durablanket Strip</b>		
<i>Classification Temperature (°C)</i>	<i>1425</i>	<i>1260</i>
<i>Melting Point (°C)</i>	<i>1760</i>	<i>1760</i>
<i>Mean Fibre Dia, Microns</i>	<i>2.6 - 3.4</i>	<i>2.6 - 3.4</i>
<i>Fibre Index, %</i>	<i>48 - 56</i>	<i>48 - 54</i>
<i>Shot Content (ASTM), %</i>	<i>8 - 14</i>	<i>10 - 15</i>
<i>Specific Gravity</i>	<i>2.65</i>	<i>2.65</i>

Classification temperature refers to the maximum short term temperature limit. The maximum continuous use limit depends upon application conditions. For certain applications continuous use temperature limits may be significantly reduced. For assistance or clarification please contact your nearest Unifrax Engineering office.

## AVAILABILITY

<b>Packaging</b>		
<i>Diameter (mm)</i>	<i>Density (Kg/m<sup>3</sup>)</i>	<i>Minimum Packing Length (M)</i>
<i>6</i>	<i>550</i>	<i>200</i>
<i>8</i>	<i>470</i>	<i>200</i>
<i>10</i>	<i>430</i>	<i>200</i>
<i>13</i>	<i>450</i>	<i>200</i>
<i>19</i>	<i>400</i>	<i>100</i>
<i>25</i>	<i>350</i>	<i>100</i>
<i>30</i>	<i>300</i>	<i>75</i>
<i>38</i>	<i>275</i>	<i>50</i>
<i>50</i>	<i>250</i>	<i>25</i>
<i>60</i>	<i>210</i>	<i>25</i>

## 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.

Supplied by:

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