

Graphite sealings  
Pure graphite rings



## Pure graphite rings

<b>Article description:</b>	Pure graphite rings
<b>Article forms:</b>	Any cross-sectional profile formed as a ring
<b>Preparations:</b>	Without any additionally preparations
<b>Materials:</b>	Expanded graphite (high-quality UCAR Grafoil) or Sigraflex-Z in nuclear quality

### Mechanical properties:

- No curing, no aging
- Easy deformability
- Virtually maintenance free
- Sustained springback, approx. 10%
- Consistent and low coefficient of friction
- Excellent thermal conductivity, electrical conductivity
- High pressure resistance (standard maximum up to 200 bar), depending on the design up to 1000 bar possible \*

\*Please contact our application engineer

### Thermal properties:

- Operating temperature range -200 °C up to 450 °C
- With steam up to 650 °C
- In an inert atmosphere (excluding oxygen) can be worked at much higher temperatures

### Chemical properties:

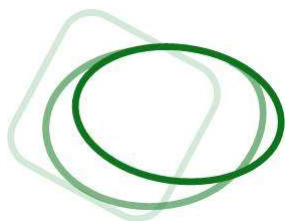
- Almost universal chemical resistance
- Not resistant to very strong oxidizing media

### Applications:

Pure graphite rings are used in the petrochemical industry, the chemical industry, in power plants, including nuclear power plants and in general machine tools. The rings are suitable for steam and many other media. Use in highly oxidative media is not recommended.

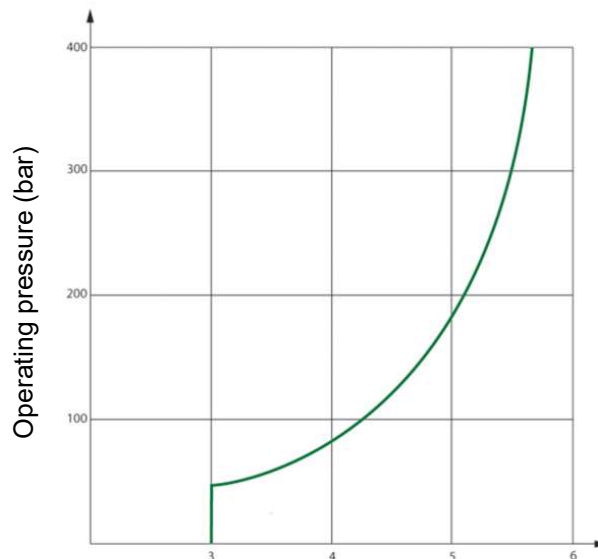
<b>Dimensions:</b>	Any dimensions up to approx. 300 mm*
	Any cross-sectional profiles*

\* On request

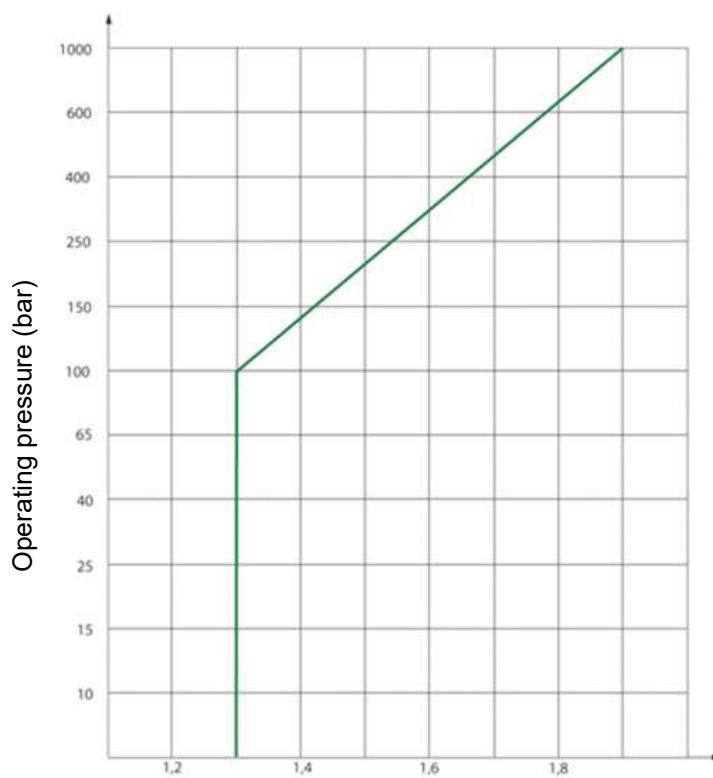


Graphite sealings  
Pure graphite rings

**Recommendation for use/ interpretations:**



Rings



Density (g/cm³)

*The above information is based on the current state of our knowledge of the product and is made to the best of our knowledge and belief. A warranty claim cannot be derived from this information. Information and values always need to be checked by the customer.*

*All previous issues hereby lose their validity.*