

PURE GRAPHITE FOIL RINGS

1390

- Pure graphite foil rings are the optimal solution for very high operational reliability and a wide range of applications
- Compared to traditional stuffing box packings, pressed foil rings have a homogeneous structure and a very high cross-sectional density
- The ring set height can be reduced by inserting a metal base ring.
- resistant against most media, will not be coated by metal and salt melting
- asbestos-free, no health hazard
- age resistant and not susceptible to get brittle as no binders and fillers
- available in high purity
- long term stability for compression and elastic recovery properties over a wide temperature range
- low friction values
- very good temperature change resistance
- high pressure resistance



Features

Temperatur [min]	-269 °C
Temperatur [max]	550 °C
Chemical resistance [pH]	0-14
Density approx. [g/cm ³]	1.2 - 1.8 g/cm ³
Degree of purity	≥ 99,85 %
Ash content	≤ 0,15 %
Sulfur content	< 300 ppm
Antioxidant	yes
Material structure	Graphitfolie, gepr.
Waterproofing	none
Lubricant	nein
Steam	600 °C

Fields of application

Valves [Vg]	2 m/s
Valves [p]	300 bar

This datasheet on the internet: <https://idt-gaskets.com/products/packings/639b4f51b853f1e25>

General information: All information given in this Technical Information sheet represents our current level of knowledge and serves as information on our products and their respective scopes. It is not meant to ensure any particular properties of any product or the suitability of any product for any specific application, neither does it create any liability on our part. © Copyright by IDT

Applications

abrasive and sticky media	not suitable
Water, Process water, Lake water	suitable
Hot water, boiler dining water	suitable
Vapors, acid gases, nitrogen	suitable
Oxygen	suitable
Mineral oils, animal fats	suitable
Heat carrier oils, synthetic oils	suitable
Alcalia diluted, salt solutions	suitable
Alcalia concentrated	suitable
Inorganic acids diluted, salt solutions	suitable
Inorganic acids concentrated	limited suitability
Solvents, other organic compounds	limited suitability
Lacques, colors [silicone -free]	limited suitability

Approvals and test reports

BAM oxygen

BAM oxygen [liquid]

Gas [DIN 3535-6]

EG 1935/2004

Drinking water certificate HY

Forms of delivery

compression-moulded packing ring or packing set

Additional information

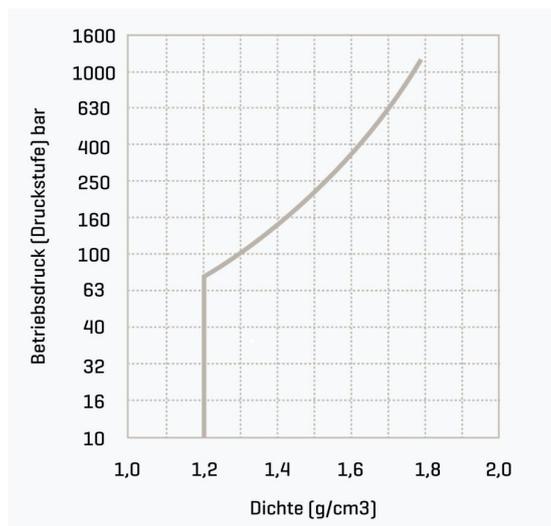
This datasheet on the internet: <https://idt-gaskets.com/products/packings/639b4f51b853f1e25>

General information: All information given in this Technical Information sheet represents our current level of knowledge and serves as information on our products and their respective scopes. It is not meant to ensure any particular properties of any product or the suitability of any product for any specific application, neither does it create any liability on our part. © Copyright by IDT

Essen: +49 201 855110 · Annaberg-Buchholz: +49 3733 5050 · München: +49 89 9918830

Further sealing systems and technical information can be found [idt-gaskets.com](https://www.idt-gaskets.com)

Last Changed 2025-12-02



Einbau- und Betriebshinweise (Gilt für 1380/1390)

This datasheet on the internet: <https://idt-gaskets.com/products/packings/639b4f51b853f1e25>

General information: All information given in this Technical Information sheet represents our current level of knowledge and serves as information on our products and their respective scopes. It is not meant to ensure any particular properties of any product or the suitability of any product for any specific application, neither does it create any liability on our part. © Copyright by IDT

Essen: +49 201 855110 · Annaberg-Buchholz: +49 3733 5050 · München: +49 89 9918830

Further sealing systems and technical information can be found [idt-gaskets.com](https://www.idt-gaskets.com)

Last Changed 2025-12-02