

Gaskets

PTFE sealings

thoenes[®]



PBFDA

Article description:	<u>PBFDA</u> (Universal ePTFE sealings, premium)
Article forms:	Universal-F premium: especially for the food and pharmaceutical industry
Preparations:	Without any additionally preparation
Materials:	100% pure, monodirectional expanded PTFE (self-adhesive)

Mechanical properties:

- Best adaptation to all surfaces
- Perfect compensation of unevenness and sealing surface
- UV resistant, no aging
- Suitable for food contact
- Pressure resistance - Vacuum up to 200 bar, but always dependent on the installation situation*

Thermal properties:

- From -268 °C to 270 °C
- Short-term 315 °C possible

Recommended application range:

- Temperatures from -160 °C to 150 °C

Chemical properties:

- pH 0 to 14
- Resistant to all media
- Not resistant to dissolved and molten alkali metals as well as elemental fluorine at high temperatures and pressures

* **Note:** The indicated temperatures and pressures are standard values and can not necessarily occur simultaneously.

Physiological safety

- Physiologically harmless, within the recommended field of application
- Non-toxic, biologically inert

Examinations and approvals:

- **BAM** tested for use with oxygen
- **TÜV** product monitored and certified
- **TA-Luft** tested and blow-out-proof according to VDI 2200
- **DVGW** tested
- **FDA** ePTFE - 21 CFR 177.1550 compliant / adhesive - 21 CFR 175.105 compliant
- **EC1935/2004** tested for food contact



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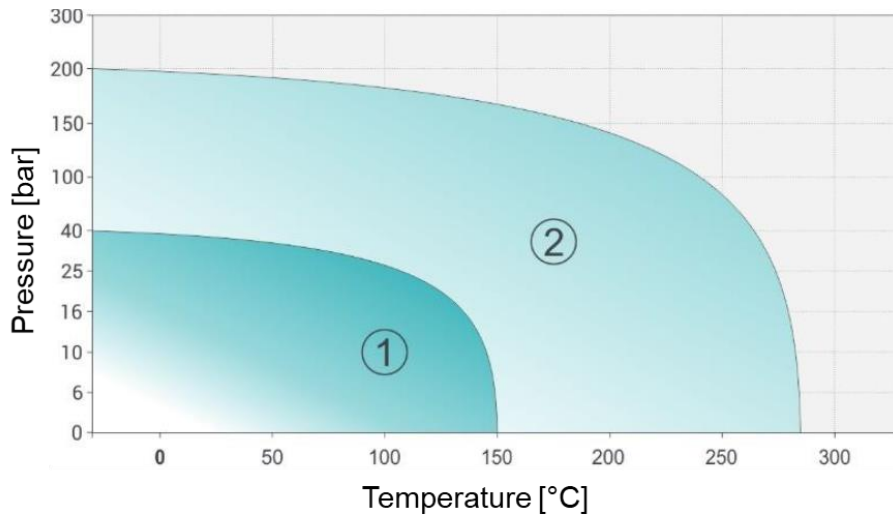
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Applications:

Pipeline flanges, container sealing, heat exchangers, apparatus engineering, flue gas pipelines, email coated plants, reactors, machine casings, pumps, pharmaceutical and food processing plants.

Dimensions: *Universal-F premium:* Band width 3 - 40 mm
Thickness: 1.5 - 8 mm

Application limits:



Area 1: Typical area of application

Area 2: Max. Application limits, after prior technical verification