

Gaskets

PTFE sealings

thoenes[®]



PBUNI

Article description:	<u>PBUNI</u> (Universal ePTFE sealing)
Article forms:	Universal F: sealing strips with flat, rectangular cross section Universal R: sealing strips with round cross section
Preparations:	Without any additionally preparation
Materials:	pure, monodirectional expanded PTFE (self-adhesive)

Mechanical properties:

- Excellent deformability and adaptability
- Compensates for unevenness and damaged sealing surfaces
- Excellent tightness
- UV resistant, no aging
- 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

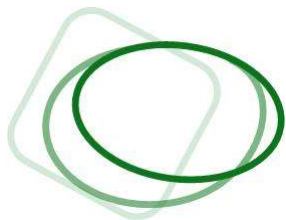
* **Note:** The indicated temperatures and pressures are standard values and can not necessarily occur simultaneously.

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

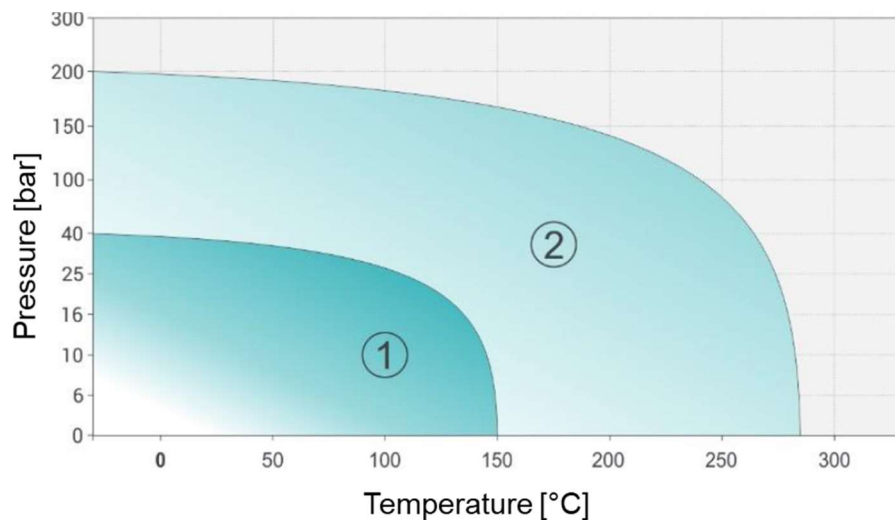


Applications:

Pipeline flanges, container sealing, ventilation systems, apparatus construction, machine housings, compensators, pumps, flue gas system.

Dimensions: Universal-F: Band width 3 - 40 mm
Thickness: 1.5 - 5 mm
Universal-R: Ø 1 - 16 mm

Application limits of *Universal-F*:



Area 1: Typical area of application

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