

PT417

Article description:	<u>PT417</u> (MultiTex® ePTFE)
Article forms:	Plate material available in different thicknesses Plug-in seals, cut or die-cut seals
Preparations:	Without any additionally preparation
Materials:	100% multidirectional expanded PTFE Without fillers, pigments or printing ink and therefore particularly suitable for clean applications such as especially for the food and pharmaceutical sector

Mechanical properties:

- Flow behavior in the longitudinal and transverse direction is reduced to a minimum
- Applied surface pressure remains permanently
- Best adaptation to all surfaces, perfect compensation of bumps
- Very high tightness, especially at reduced surface pressure
- UV-resistant, no aging, unlimited shelf life
- 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:

- From -160 °C to 230 °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

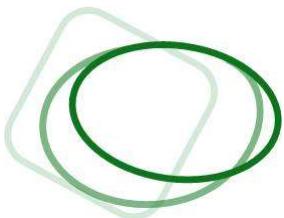
* **Note:** The indicated temperatures and pressures are standard values and can not necessarily occur simultaneously.

Physiological safety:

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

Examinations and approvals:

- **BAM** tested for use with gaseous and liquid oxygen
- „**TA- Luft**“ tested and blow-out-proof according to VDI 2200
- **FDA 21 CR 177.1550** tested
- **EC1935/2004** tested for food contact
- **USP Plastic Class** tested for pharmaceutical application



Gaskets

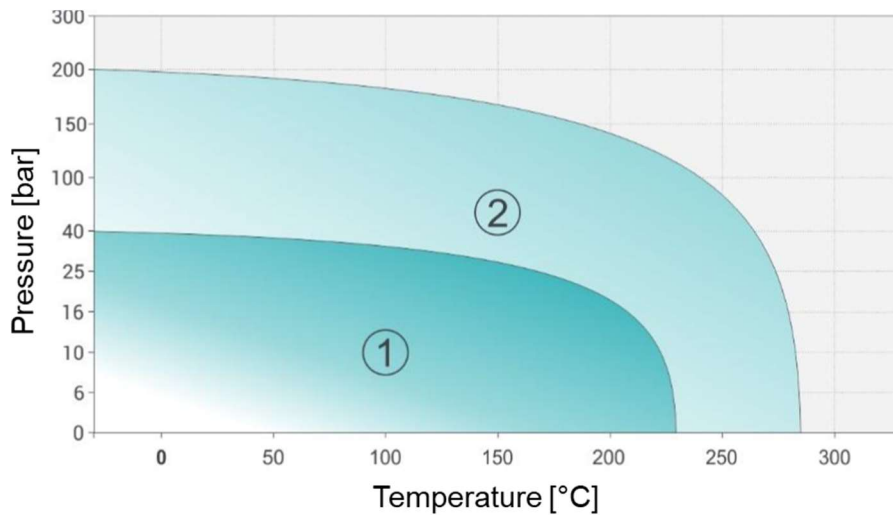
PTFE sealings

Applications:

Pipeline flanges, container sealing, heat exchangers, apparatus engineering, enamel coated plant, reactors, pumps, pharmaceutical and food processing plants.

Dimensions: Sealing plate size 1500 mm x 1500 mm
Thicknesses 0.5 - 9 mm

Application limits:



Area 1: Typical area of application

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