

KWO® MultiTex® Ring 2.0 – ePTFE flat gasket



KWO® MultiTex® Ring 2.0 is produced from 100% multidirectional expanded PTFE without any pigments, inks or adhesives, and therefore suitable for clean applications – especially for food and pharmaceutical applications.

The gasket can be used in all standard flanges and therefore it is the universal sealing of different piping systems. The highly compressible tape delivers long-life performance, lowers total system sealing costs and simplifies inventory stocking requirements, while also protecting against the use of the wrong gasket.



★ Advantages

- > adapts well to sealing surfaces
- > compensates irregularities
- > superior resistance to creep and cold flow
- > very high sealability especially at very low stresses

⚙ Properties

- > high chemical resistance
- > UV-resistant, non-ageing, unlimited storable
- > nontoxic, biologically inert
- > non-flammable

📦 Applications

- > flange connections, tank sealings
- > heat exchangers, apparatus constructions
- > glass-lined flanges
- > reactors
- > pumps
- > pharmaceutical- and food processing equipment

📄 Certificates

- > BAM – suitable for use with gaseous oxygen
- > TA Luft regulation and blow out safety acc. to VDI 2200
- > specific values according to DIN EN 13555
- > FDA 21 CFR 177.1550 tested
- > EC1935/2004 - suitable for applications with food contact
- > USP Class VI for pharmaceutical applications

TECHNICAL DATA

Material	100% multi-directional expanded PTFE (ePTFE)
Chemical resistance	in the entire pH range (pH 0-14, except molten alkali metals and elemental fluorine)
Temperature range	-268°C (-450°F) up to +270°C (+518°F), short-term +315°C (+600°F) recommended temperature range: from -160°C (-256°F) to +230°C (+446°F)*
Pressure range	vacuum up to 200bar (3000psi) depending on the installation situation*
Physiologically inert	physiologically harmless in all recommended applications
Density	0,75 g/cm ³ +/- 0,15 g/cm ³

*Note: temperature and pressure guides cannot necessarily be used simultaneously.


Quality assurance

The KWO® Quality Management is certified by TÜV Süd according to DIN EN ISO 9001. Our suppliers are also integrated in this quality system. We use exclusively high quality raw materials in the fabrication of our products, which provide the highest level of safety and reliability.

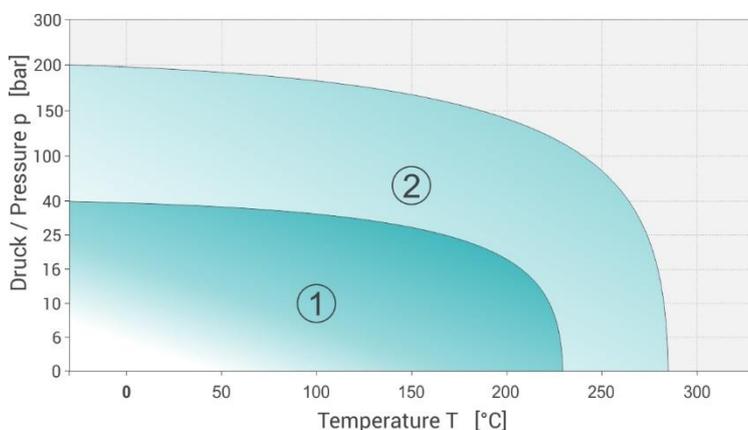


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Available Dimensions*

Nominal Diameter	Pressure Class
DN 10 – DN 600	PN 10 – PN 40

*Other dimensions available on request.


To order, please use the following text

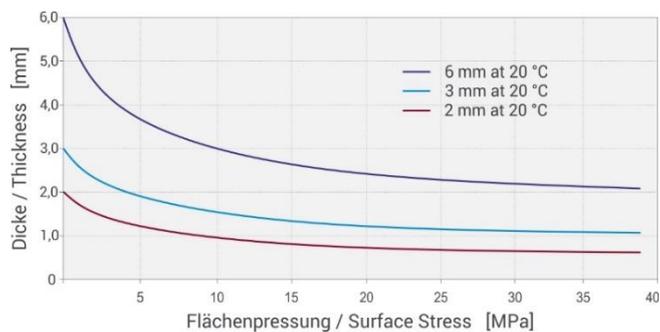
KWO® MultiTex® Ring 2.0, ___ x ___ x ___ mm, pieces
 (ODØ) (IDØ) (thickness)

The p-T diagram indicates the service limits considering the simultaneous influence of pressure and temperature.

- Range 1: Typical service limits
- Range 2: Maximum application limits, after technical verification

Values

	2mm	3mm
Q _{MIN} (0,01) (10bar)	21 MPa	21 MPa
Q _{MIN} (0,01) (20bar)	26 MPa	27 MPa
Q _{MIN} (0,01) (40bar)	31 MPa	32 MPa
Q _S MIN (0,01)	10 MPa	10 MPa
P _{QR} (30 MPa 23°C)	0,93	0,89
P _{QR} (30 MPa 150°C)	0,82	0,61
maintenance factor m	2,5	2,5
seating stress y	2800 psi	2800 psi



- ✓ Made in Germany
- ✓ International Presence
- ✓ Represented in over 50 countries

For detailed selection criteria, technical information, installation guideline and the relevant contact person, please visit our website: www.kwo-ptfe.de

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