

KWO® MultiTex® Ring – ePTFE flat gasket



KWO® MultiTex® Ring 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 flexible material adapts well to sealing surfaces, compensates irregularities and seals at very low stresses.

Suitable for use in metallic flanged, as well as stress sensitive connections.



★ 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 Plastic Class for pharmaceutical applications

TECHNICAL DATA

Material	100% multidirectional 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	0,80 g/cm ³ +/-0,10g/cm ³

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

Quality assurance

The KWO Quality Management is certified 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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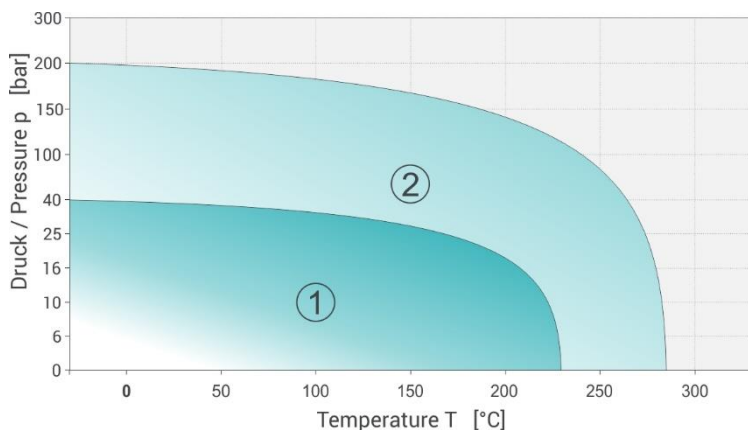
Available Dimensions*

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

*Other dimensions available on request.

To order, please use the following text

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

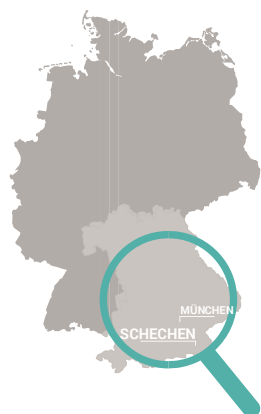
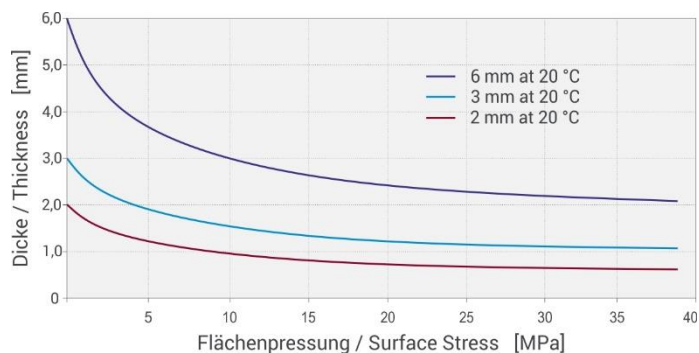


The p-T diagram indicates the service limits considering the simultaneous influence of pressure and temperature.

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

Values

Q_{MIN} (0,01)	28 MPa	DIN EN 13555
Q_{S MIN} (0,01)	<<10 MPa	DIN EN 13555
PQR(30 MPa 20°C)	0,94	DIN EN 13555
PQR(30 MPa 150°C)	0,67	DIN EN 13555
maintenance factor m	2,5	ASTM
seating stress y	2800 psi	ASTM



- ✓ Made in Germany
- ✓ International Presence
- ✓ Represented in over 46 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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