

KWO® MultiTex® Sheet HD – ePTFE gasket sheet



KWO® MultiTex® Sheet HD is produced from 100% multidirectional expanded PTFE with a high density and without any pigments or adhesives.

The flexible material adapts well to sealing surfaces, compensates irregularities and seals at very low stress. Suitable for use in metallic flanged, as well as stress sensitive connections.

In addition to the printed sheets, which are intended for industrial use and enable clear traceability, we are also offering embossed sheets without ink, which are particularly suitable for ultra-clean applications such as in the food and pharmaceutical sector.



★ Advantages

- > high diffusion sealing
- > 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

📜 Certificates

- > BAM - suitable for use with fluid and 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*

* These certificates do not apply to printed MultiTex® HD sheets.

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	1,05 g/cm³ +/- 0,15 g/cm³

*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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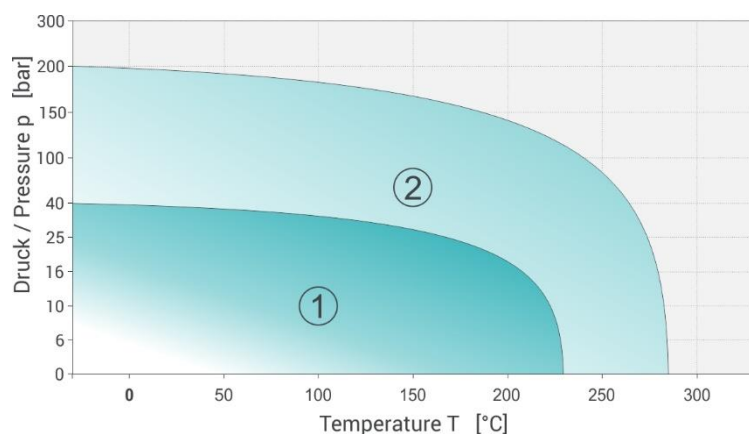
Available Dimensions

Length x Width [mm]	Thickness [mm]*			
1524 x 1524	1,0	1,5	2	3

*Other dimensions available on request.

To order please use the following text:

KWO® MultiTex® HD Sheet, 1524x1524x __ mm, pieces
 (Length) (Width) (Thickness)

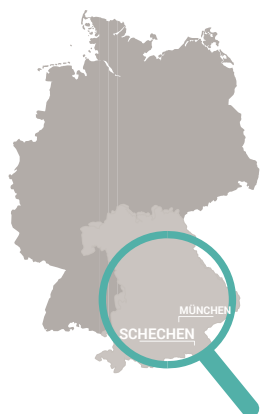
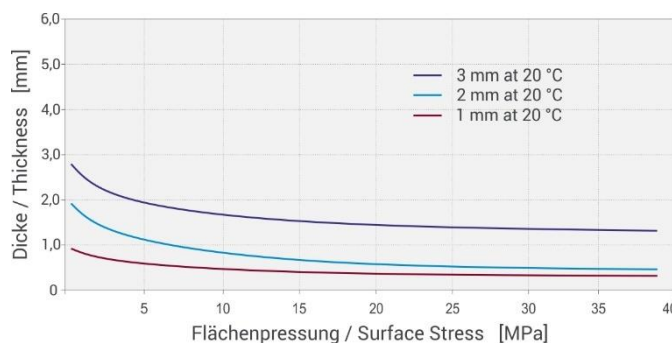


The p-T diagram indicates the service limits considering the simultaneous influence of pressure and temperature.

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 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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