

## KWO® Universal F Premium - ePTFE joint sealant tape

MADE IN GERMANY

KWO® Universal F Premium is a joint sealant tape made from 100% pure, monoaxially expanded PTFE and especially suitable for food and pharmaceutical applications.

The exceptional malleability of the ePTFE joint sealant tape compensates out-of-parallel or damaged sealing surfaces and allows use with stress sensitive connections and applications where only a limited flange load is available.

Due to their reliable, durable and economical sealing, it helps to optimize our customer's production and manufacturing processes.



### ★ Advantages

- > adapts well to sealing surfaces
- > compensates irregularities
- > simple and fast installation
- > reduced down time, cost effective seal
- > harmless in contact with food

### ⚙ Properties

- > excellent chemical resistance
- > UV resistant, non-ageing
- > nontoxic, biologically inert

### 📦 Applications

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

### 🏆 Certificates

- > BAM - suitable for use with oxygen
- > TA Luft regulation and blow out safety acc. to VDI 2200
- > specific values according to DIN EN 13555
- > certified by DVGW
- > FDA 21 CFR 177.1550 compliant
- > EC 1935/2004 - suitable for food applications
- > certificated and monitored by TÜV

## TECHNICAL DATA

<b>Material</b>	100% expanded PTFE (ePTFE) - self-adhesive
<b>Chemical resistance</b>	in the entire pH range (pH 0-14, except molten alkali metals and elemental fluorine)
<b>Temperature range</b>	-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 +150°C (+302°F)*
<b>Pressure range</b>	vacuum up to 200bar (3000psi) depending on the installation situation*
<b>Physiologically inert</b>	physiologically harmless in all recommended applications
<b>Density</b>	0,65 g/cm <sup>3</sup> +/-0,10g/cm <sup>3</sup>

\* 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.

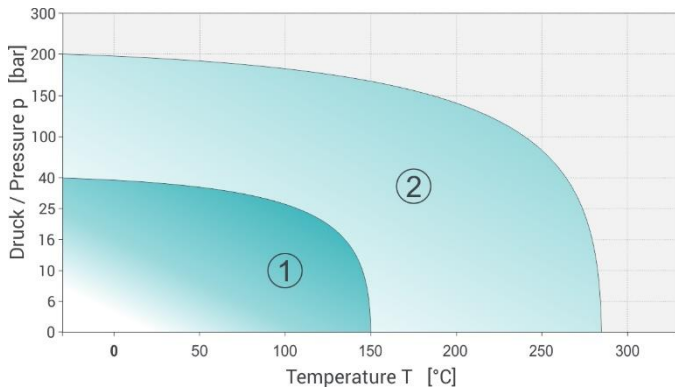


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## Available Dimension

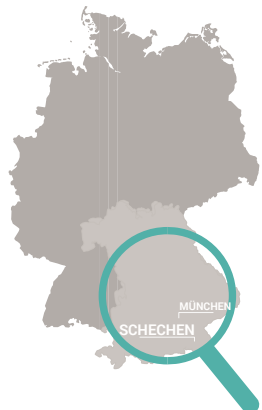
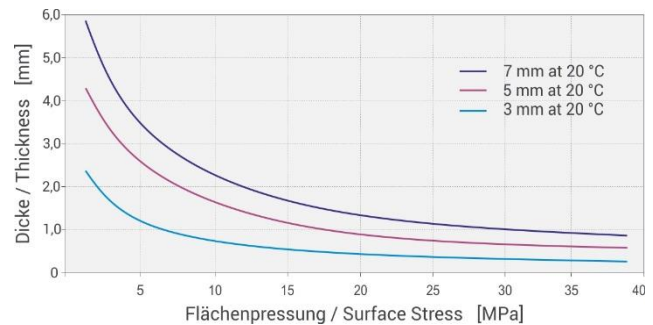
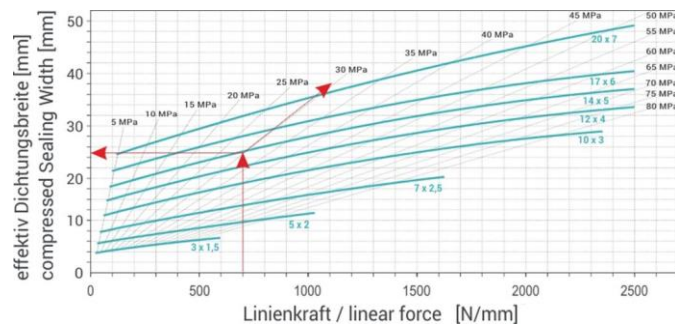
Width x Thickness* [mm]	Spool Length [m]			
	5	10	25	50
3x1,5			X	X
5x2		X	X	X
7x2,5		X	X	X
10x3		X	X	X
12x4		X	X	X
14x5	X	X	X	X
17x6	X	X	X	
20x7	X	X	X	
25x5	X	X	X	
25x8	X	X		
28x5	X	X	X	
40x5	X	X		

\*Other dimensions available on request.



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



- ✓ Made in Germany
- ✓ International Presence
- ✓ Represented in over 47 countries

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

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