

KWO® Universal HD – ePTFE gasket tape



KWO® Universal HD is gasket tape of mono-directionally expanded pure PTFE with a high density.

The tape is characterised by a rectangular cross-section and a relatively small width. The high density of the material and the special cross-section of the tape allow the sealing of very uneven sealing surfaces even at a low gasket stress.

KWO® Universal HD sealant tape is suitable for delicate sealing applications on surfaces vulnerable to tension, such as glass or ceramics. The tape can also be used to seal weak flanges subject to considerable deformation, for example glass reinforced plastics (GRP), plastic fittings and ventilation facilities.



★ Advantages

- > good sealing properties even at low gasket stress
- > low diffusion leakage
- > excellent adaptability to all surfaces
- > easy filling of flange gaps
- > harmless for food-contact applications

⚙ Properties

- > highest adaptability to uneven surfaces with low pressure
- > for seal applications on materials vulnerable to tension
- > UV resistant; no ageing
- > non-toxic, biologically inert
- > non-flammable

📦 Applications

- > tube flanges, sealings for tanks
- > air-conditioning
- > apparatus engineering, compensators
- > machine housing
- > chemical reactors
- > pumps, food processing systems

📜 Certificates

- > certificated and monitored by TÜV
- > compliant to FDA
- > EC 1935/2004 - suitable for applications with food contact

TECHNICAL DATA

Material	100 % expanded PTFE (ePTFE) without fillers - self-adhesive
Chemical resistance	pH range from 0 to 14; full chemical resistance (except molten alkali metals and elemental fluorine)
Temperature range	recommended temperature range: from -200°C to +150°C; material heat resistant up to +315°C
Pressure resistance	resistant within the usual pressure range of standard flanges up to 40 bars; suitable for vacuum applications (depends upon the concrete installation conditions)
Physiologically inert	physiologically harmless in all recommended applications

All technical information and advice given here is based on our previous experiences and/or test results. We give this information to the best of our knowledge, but assume no legal responsibility. Customers are asked to check the suitability and usability in the specific application, since the performance of the product can only be judged when all necessary operating data are available. Specifications are subject to change without notice. KWO's terms and conditions of sale apply to the purchase and sale of the product.

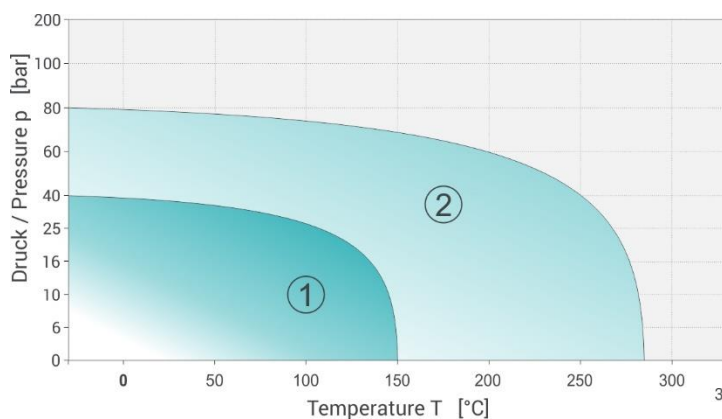

Quality assurance

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.


Available Dimensions

Dimensions* [mm]	Spool length [m]		
	10	25	50
4x2,5	X	X	X
6x4,6	X	X	X
8x5,5	X	X	
10x7	X	X	
14x5	X		

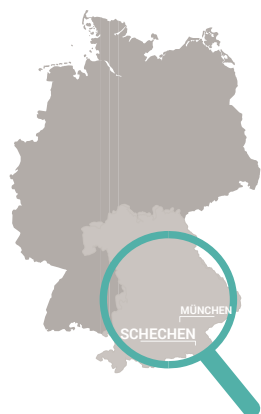
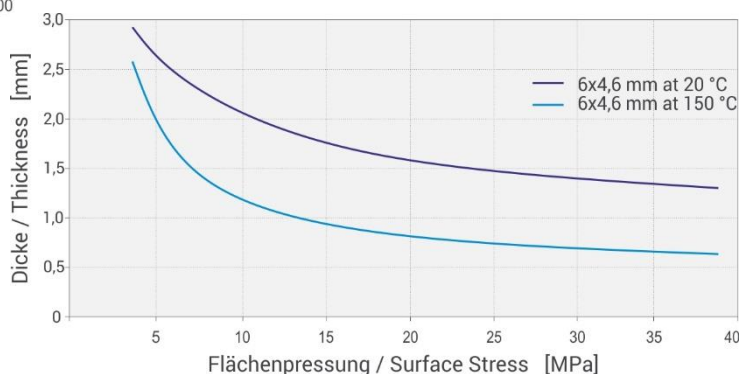
*Other dimensions available on request.



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 46 countries

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

KWO Dichtungstechnik GmbH

Am Eschengrund 3
 83135 Schechen, Germany
 Tel: + 49 8039 90254-0
 Fax: + 49 8039 90254-299
 Email: info@kwo-ptfe.de



All technical information and advice given here is based on our previous experiences and/or test results. We give this information to the best of our knowledge, but assume no legal responsibility. Customers are asked to check the suitability and usability in the specific application, since the performance of the product can only be judged when all necessary operating data are available. Specifications are subject to change without notice. KWO's terms and conditions of sale apply to the purchase and sale of the product.