

KWO® Universal Tape HD – ePTFE gasket tape



KWO® Universal Tape HD is a sealing tape of monoaxially expanded pure PTFE and is characterized 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 to seal very uneven surfaces even at a low gasket stress.

KWO® Universal Tape HD 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

- > low diffusion leakage
- > excellent adaptability to all surfaces
- > easy filling of flange gaps
- > harmless for food-contact applications

⚙ Properties

- > UV resistant; non-ageing
- > nontoxic, biologically inert
- > non-flammable

📦 Applications

- > flange connections, tank sealings
- > ventilation systems
- > apparatus constructions
- > machine housings
- > pumps, food processing systems

📜 Certificates

- > FDA 21 CFR 177.1550 compliant
- > EC 1935/2004 - suitable for food applications

TECHNICAL DATA

Material	100 % expanded PTFE (ePTFE) - self-adhesive
Chemical resistance	pH range from 0 to 14; full chemical resistance (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 -200°C (-328°F) to +150°C (302°F)*
Pressure resistance	vacuum up to 80bar (1160psi) depending on the installation situation*
Physiologically inert	physiologically harmless in all recommended applications
Density	1,00 g/cm ³ +/- 0,10 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.

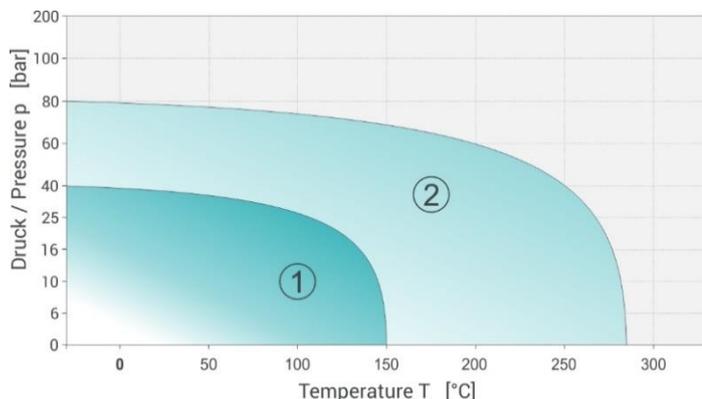


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Available Dimensions

Width x Thickness* [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.

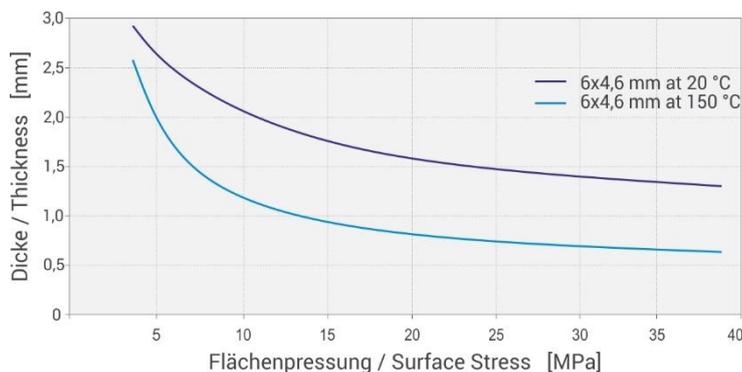


To order, please use the following text

KWO® Universal HD, __ x __ mm - __ m, quantity in meter
 (width) (thickness) (spool length)

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 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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