

KWO® CellFlon® R – ePTFE gasket cord


 MADE IN GERMANY

KWO® CellFlon® Tape R is the round version of the CellFlon® Tape. Here, too, the patented CellFlon® process is used in production and the same outstanding properties are achieved as with the KWO® CellFlon® Tape.

The round cord is ideal for container lid with a given groove for positioning. Also, for slow-moving valve spindle seals, CellFlon® Tape R is an ideal replacement for conventional braided packings or PTFE extrudate.



★ Advantages

- > high residual thickness at time of installation
- > highest recovery properties
- > very good adaptability to shafts and flange surfaces
- > very low sliding friction
- > harmless in contact with food

⚙ Attributes

- > high mechanical properties
- > high chemical resistance
- > UV resistant, non-ageing, unlimited storable
- > nontoxic, biologically inert
- > non-flammable

📦 Application

- > sealing for valve spindle, shaft seals
- > tube flanges
- > apparatus constructions
- > machine housing
- > food processing systems, pharmaceutical systems

🏆 Certificates

- > FDA 21 CFR 177.1550 compliant
- > EC1935/2004 – suitable for applications with food contact

TECHNICAL DATA

Material	100 % expanded PTFE (ePTFE) – modified by CellFlon®-procedure
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 (-328°F) to +180°C (+356°F); material heat resistant up to +315°C (+600°F)*
Pressure resistance	vacuum up to 80bar (1160psi) depending on the installation situation*
Physiologically inert	physiologically harmless in all recommended applications
Density	0,70 g/cm³ +/- 0,10 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.

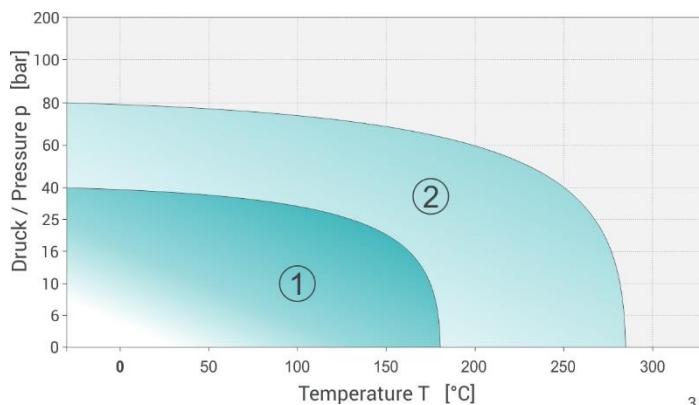


Teflon™ is a trademark of The Chemours Company FC, LLC used under license by KWO® Dichtungstechnik GmbH.

Available Dimensions

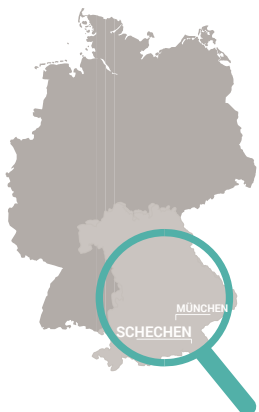
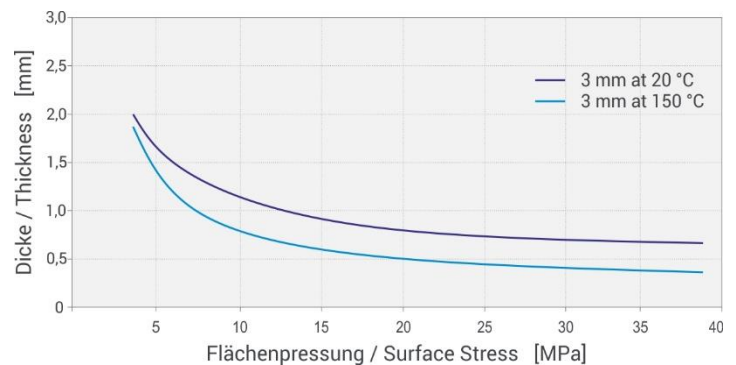
Diameter* [mm]	Spool length [m]		
	10	25	50
2,5		X	X
4	X	X	
6	X	X	
8	X	X	
10	X		
16	X		

* 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 50 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.