

KWO® CellFlon® R – ePTFE gasket cord


 MADE IN GERMANY

KWO® CellFlon® R is a round gasket cord made from expanded virgin PTFE with a modified texture. The gasket tape is particularly suitable for demanding and very clean applications, for example in the food industry and in the pharmaceutical manufacturing sector.

The patented CellFlon® processing method improves considerably the mechanical properties and strengthens the fibre structure. Consequently, the tape is much more compact and has a lower cold-flow tendency as well as better recovery properties. These characteristics allow a wide range of applications, regardless of the shape and the size of the sealing surface.



★ 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/cm ³ +/-10%

*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.

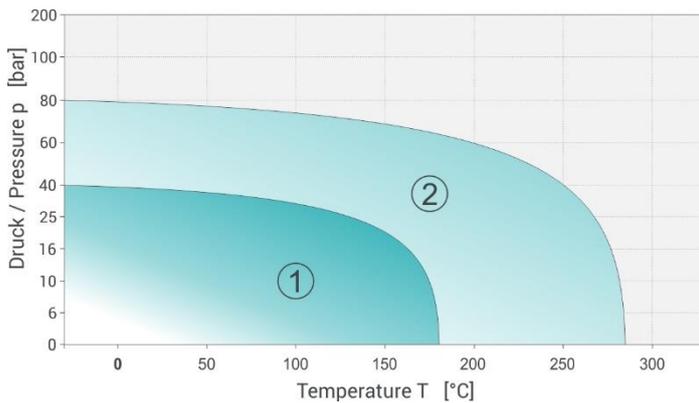


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Available Dimensions

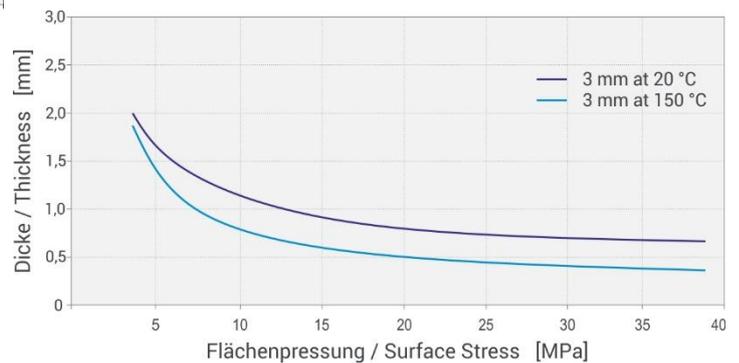
Diameter* [mm]	Spool length [m]		
	10	25	50
2,5		X	X
4	X	X	
6	X	X	
8	X	X	
10	X		
16	X		

* 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 46 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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