

# KWO® CellFlon® CL – ePTFE gasket tape


 MADE IN GERMANY

KWO® CellFlon® CL is the optimised gasket tape for a safe and cost-effective use in chlor-alkali electrolysis-cells.

The micro-cellular structure of the modified ePTFE material ensures very good sealing properties for long lasting application in frames of electrolysis cells.

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.



## ★ Advantages

- > easy to install
- > good sealability
- > shortens maintenance stops
- > easily and fast to remove
- > reduces total costs
- > tested in CL cells and specified

## ⚙ Properties

- > high chemical resistance
- > tested in CL-cells
- > high adaptability
- > high recovery
- > low creep and relaxation
- > UV resistant; non-ageing

## 📦 Applications

- > frames of chlor-alkali electrolysis-cells
- > tube flanges
- > compensators, pumps
- > flue gas channels

## 📄 Certificates

- > TA Luft regulation and blow out safety acc. to VDI 2200
- > specific values according to DIN EN 13555

## TECHNICAL DATA

<b>Material</b>	100 % expanded PTFE (ePTFE), modified by CellFlon®-procedure - self-adhesive
<b>Chemical resistance</b>	pH range from 0 to 14; full chemical resistance (except molten alkali metals and elemental fluorine)
<b>Temperature range</b>	recommended temperature range: from -200°C (-328°F) to +180°C (+356°F); material heat resistant up to +315°C (+600°F)*
<b>Pressure resistance</b>	vacuum up to 80bar (1160psi) depending on the installation situation*
<b>Physiologically inert</b>	physiologically harmless in all recommended applications
<b>Density</b>	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 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.

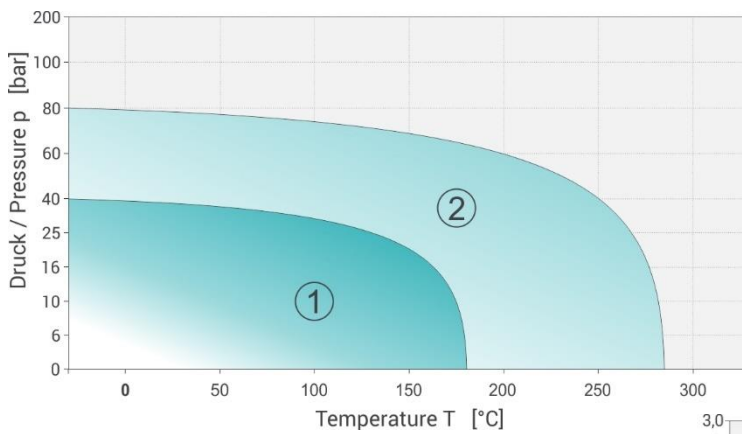
**Available Dimensions**

Width x Thickness* [mm]	Spool length [m]	
	15	45
5x2	X	X
6,3x1,4	X	X

\*Other dimensions available on request.

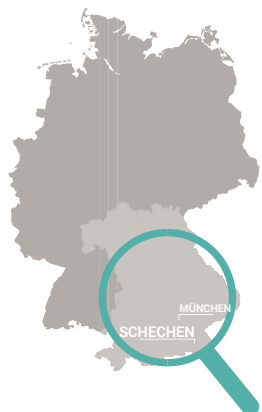
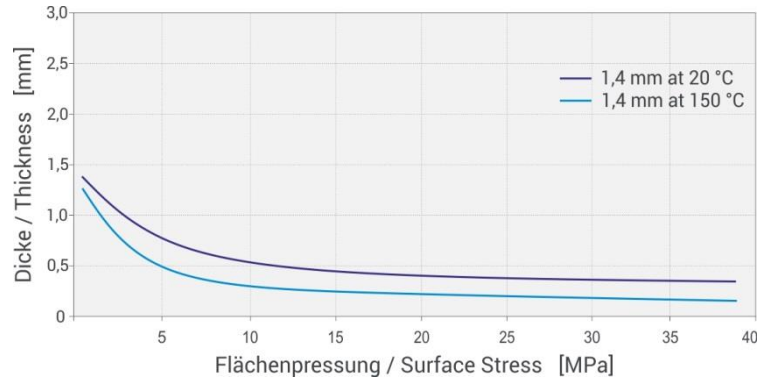
**To order, please use the following text**

CellFlon® CL \_\_ 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](http://www.kwo-ptfe.de)

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