

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 electrolyses 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

Material	100 % expanded PTFE (ePTFE), modified by CellFlon®-procedure - 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 (-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.



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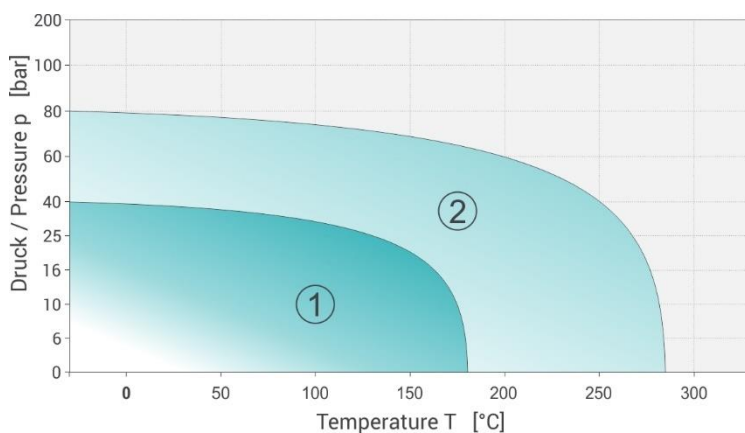
Available Dimensions

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

*Other dimensions available on request.

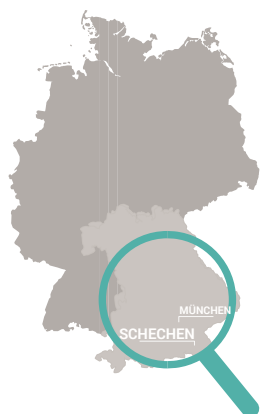
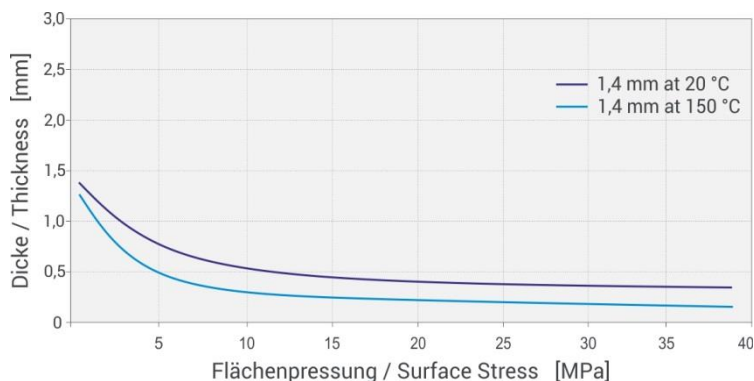
To order, please use the following text

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

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