

# KWO® CellFlon® Sheet Blue – sPTFE gasket sheet



KWO® CellFlon® Sheet Blue is a gasket sheet material containing structured PTFE and hollow glass micro-spheres.

The product is especially for use in applications where the available bolt load is limited, uneven or damaged flange connections. Suitable for sealing most chemicals across the whole pH range (0-14), including moderate concentrations of acids and caustics, solvents, hydrogen peroxide or refrigerants.

The printed sheets, which are intended for industrial use, enable clear traceability of the gasket. For ultra-clean applications such as especially in the food and pharmaceutical sector, we also offer the sheets in neutral – without ink.



## ★ Advantages

- > good adaptability to various surfaces
- > excellent sealability
- > reduced cold flow
- > easy to install and remove without residue

## ⚙ Properties

- > high chemical resistance
- > UV resistant, non-ageing, unlimited storable
- > non-flammable

## 📦 Applications

- > flange connections
- > closing lids
- > reactors
- > process vessels

## 🏆 Certificates

- > TA Luft regulation and blow out safety acc. to VDI 2200
- > specific values according to DIN EN 13555
- > FDA 21 CFR 177.1550 tested\*

\* The certification does not apply to printed CellFlon® sheets.

## TECHNICAL DATA

### General information

Material	structured PTFE with hollow glass micro-spheres
Chemical resistance	in the entire pH range (pH 0-14, except molten alkali metals or elemental fluorine)
Temperature range	recommended temperature range: from -210°C (-346°F) to +260°C (+500°F) material heat resistant up to +315°C (+600°F)*
Pressure range	vacuum up to 50bar (725psi) depending on the installation situation*
Physiologically inert	physiologically harmless in all recommended applications
Density	1,40 g/cm <sup>3</sup> +/- 0,25 g/cm <sup>3</sup>

\*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.

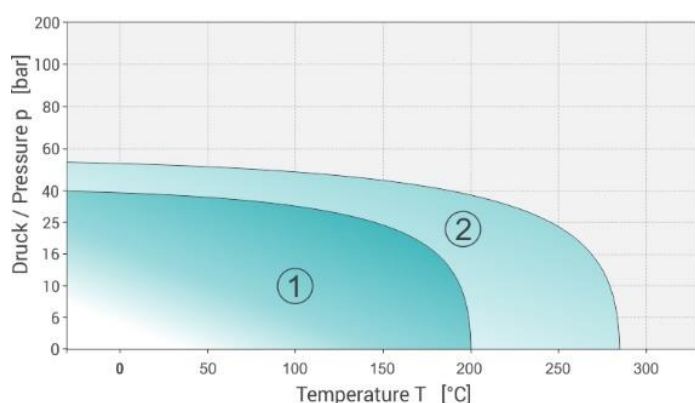
## Available Dimension

Length x Width [mm]	Thickness [mm]*		
	1,5mm	2,0mm	3,0mm
<b>1500 x 1500</b>	X	X	X

\*Other dimensions available on request.

## To order, please use the following text

KWO® CellFlon® Sheet Blue, 1500x1500x \_ \_mm, Pieces  
(Length) (Width) (Thickness)

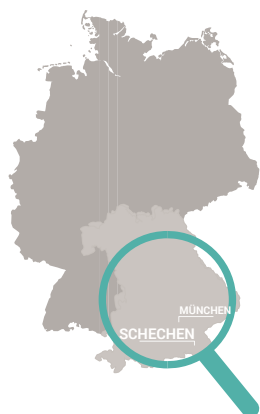
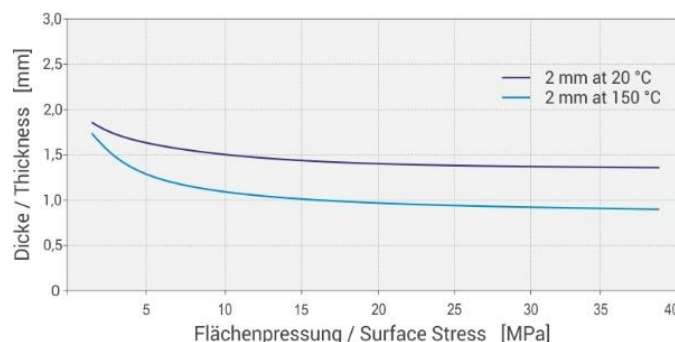


The p-T diagram indicates the service limits considering the simultaneous influence of pressure and temperature.

Range 1: Typical service limits  
Range 2: Maximum application limits, after technical verification

## Values

Leakage	<0.05 mg*s-1*m-1	DIN 3535-6
Creep	<19%	DIN 3535-6
Compression	>32%	DIN 3535-6
Recovery	>7%	DIN 3535-6



- ✓ 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)

**KWO® Dichtungstechnik GmbH**

Am Eschengrund 3  
83135 Schechen, Germany  
Tel: + 49 8039 90254-0  
Fax: + 49 8039 90254-299  
Email: [info@kwo-ptfe.de](mailto:info@kwo-ptfe.de)

