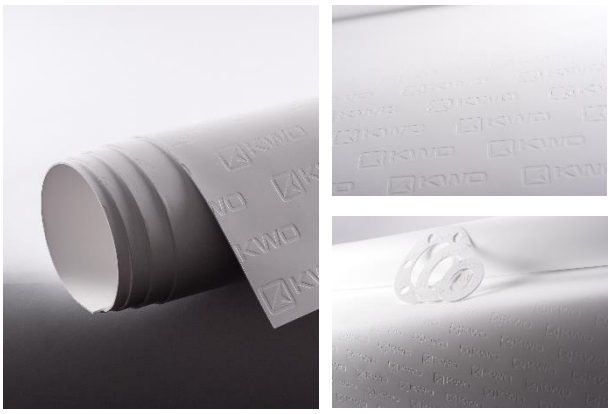
ДЕА ТРЕЙД БГ ЕООД

E-PTFE Sheet is produced from 100% multi-directional expanded PTFE without any pigments, inks or adhesives, and therefore suitable for clean applications especially for food and pharmaceutical applications.

The flexible material adapts well to sealing surfaces, compensates irregularities and seals at very low stress.

It is suitable for use in steel flanges and glass-lined steel flanges, as well as stress sensitive connections.



Advantages

- adapts well to sealing surfaces
- compensates irregularities
- superior resistance to creep and cold flow
- very high sealability especially at very low stresses

Properties

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

Applications

- flange connections, tank sealings
- heat exchangers, apparatus constructions
- glass-lined flanges, reactors
- pumps
- pharmaceutical- and food processing equipment

Certificates

- BAM - suitable for use with fluid and gaseous oxygen
- TA Luft regulation and blow out safety acc. to VDI 2200
- specific values according to DIN EN 13555
- FDA 21 CFR 177.1550 tested
- EC1935/2004 - suitable for applications with food contact
- USP Plastic Class for pharmaceutical applications

TECHNICAL DATA

Material	100% multidirectional expanded PTFE (ePTFE)
Chemical resistance	in the entire pH range (pH 0-14, except molten alkali metals and elemental fluorine)
Temperature range	-268°C (-450°F) up to +270°C (+518°F), short-term +315°C (+600°F) recommended temperature range: from -160°C (-256°F) to +230°C (+446°F)*
Pressure range	vacuum up to 200bar (3000psi) depending on the installation situation*
Physiologically inert	physiologically harmless in all recommended applications
Density	0,85 g/cm³ +/-0,10g/cm³

*Note: temperature and pressure guides cannot necessarily be used simultaneously.

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E-PTFE Sheet

Quality assurance

The 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.

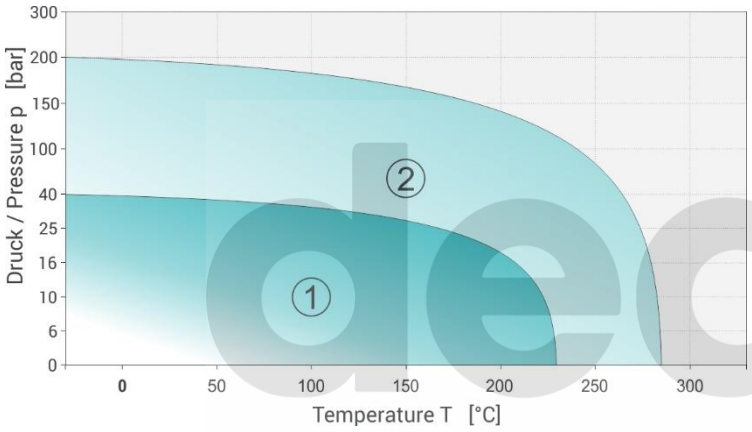
Available Dimensions

Length x Width [mm]	Thickness [mm]*										
1500 x 1500	0,5	1,0	1,5	2	3	4	5	6	7	8	9

*Other dimensions available on request.

To order, please use the following text

E-PTFE Sheet, 1500x1500x _ _ mm, pieces
(Length) (Width) (Thickness)

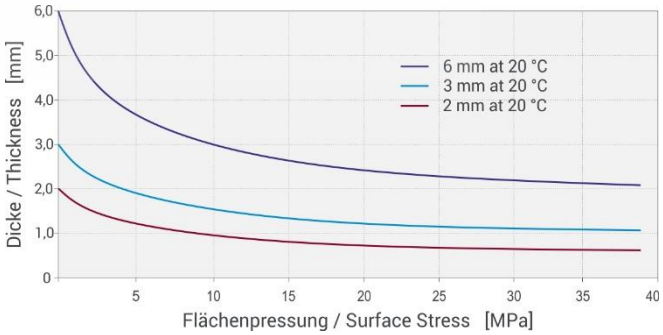


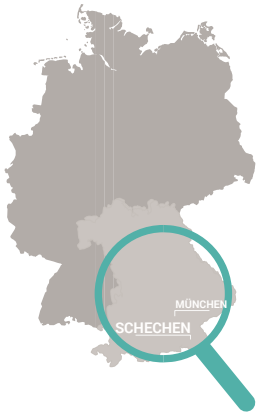
The p-T diagram indicates the service limits considering the simultaneous influence of pressure and temperature.

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

Values

Q_{MIN} (0,01)	28 MPa	DIN EN 13555
$Q_{S\ MIN}$ (0,01)	<<10 MPa	DIN EN 13555
PQR(30 MPa 20°C)	0,94	DIN EN 13555
PQR(30 MPa 150°C)	0,67	DIN EN 13555
maintenance factor m	2,5	ASTM
seating stress y	2800 psi	ASTM





- ✓ Made in Germany
- ✓ International Presence
- ✓ Represented in over 46 countries

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