

KWO® MultiTex® Sheet 2.0 – ePTFE gasket sheet



Material grade:

Gasket material made of 100% multi-directional expanded PTFE.
 The products are made without using PFOA.

Article grade:

Dimensions and tolerances of sheet thickness

Nominal sheet thickness [mm]	0,25	0,50	1,00	1,50	2,00	3,00	4,00	5,00
Tolerances within the delivery [mm]*	- 0,10 +0,15	- 0,10 +0,15	- 0,10 +0,15	- 0,15 +0,20	- 0,20 +0,30	- 0,30 +0,40	- 0,45 +0,45	- 0,55 +0,55

Nominal sheet thickness [mm]	6,00	7,00	8,00	9,00	10,00	11,00
Tolerances within the delivery [mm]*	- 0,65 +0,65	- 0,70 +0,70	- 0,80 +0,80	- 0,90 +0,90	- 1,00 +1,00	- 1,10 +1,10

* Sheet thickness is determined by measuring sensor, e.g. Käfer FD100/25 with gauge slide Form Standard C (flat, Ø 10mm) or a micrometer (e.g. Mitutoyo with deep stirrup 0-25 mm, anvil/spindle flat).

The measuring distance to the sheet edge must be at least 5 cm.

A measurement of the sheet thickness with the aid of a caliper gauge or micrometer is not permitted.

The tolerances are based on DIN DIN 28091-1 and are rounded up or down to two places after the decimal point.

Tolerances of sheet size

Width x Length [mm]	1524,00 x 1524,00	1450,00 x 1450,00
Tolerance [mm]	± 24,00	± 10,00

Tolerances of embossing depth

	All dimensions
Embossing depth [mm]*	0,20
Tolerance [mm]	± 0,15

* Embossing depth is determined by depth gauge, e.g. Käfer MD 12 TOP.

Further tolerances

	Norm	Value
Density [g/cm ³]	DIN 28090-2	0,75 +/- 0,15
Hardness [Shore 00, 15s]	ASTM D 2240	85 ± 15
Tensile strength [MPa]	ISO 527-3	27 ± 7
Expansion [%]	ISO 527-3	≥ 50
Compressibility - c [%]	ASTM F36M (34,5 MPa)	> 60
Recovery - r [%]	ASTM F36M (34,5 MPa)	> 8

All technical information and advice given here is based on our previous experiences and/or test results. We give this information to the best of our knowledge, but assume no legal responsibility. Customers are asked to check the suitability and usability in the specific application, since the performance of the product can only be judged when all necessary operating data are available. Specifications are subject to change without notice. KWO's terms and conditions of sale apply to the purchase and sale of the product.

Visual tolerances

Free from cracks, separations, folds, notches, grooves, elevations, inclusions or contaminations.

Different shades and gloss effects as well as slight surface scratches (max. 3 pcs. on the sheet) are not to be considered as a defect. Surface scratches are defined as follows: not larger than a diameter of 1,50 mm and no deeper than 0,15 mm.

Packaging Units:

Sheet thickness \leq 3,00mm	rolled up and packed individually; with a large quantity the sheets will be flat packed
Sheet thickness $>$ 4,00mm	flat packed

Proper Storage:

Sheets must be stored dry and dust-free, as they are very soil-sensitive.

No storage next to explosive materials, because the sheets become a strong electrostatically charge.

Do not bend the sheets.

Traceability:

Each gasket is marked with a batch no. according to ISO 9001 (traceability). This enables the product to be traced back to the producer, ingredients, or special manufacturing process and product features across the entire or sectionally reconstructable supply chain.

Change Management:

Any change must be communicated to the customer if technical properties, the product itself or the external appearance have been changed.

Application:

Used gaskets must not be reused. In particular, never use gaskets with kinks, as they represent a safety risk.

Disposal:

According to the AVV, the "European Waste Catalogue Ordinance", the waste from PTFE can be assigned according to chapter 7 "Wastes from organic-chemical processes" and waste code 07 02 99. This waste code stands for waste classified as non-hazardous. Therefore it can be disposed of in normal household waste. Please use the container provided by your public waste disposal authority for residual waste as the appropriate disposal container.

The above-mentioned test criteria can be requested from KWO[®] Dichtungstechnik GmbH in form of an inspection certificate 3.1 according to EN 10204.