

KWO® Universal F Premium – ePTFE joint sealant tape



Material grade:

Gasket tape made of 100% mono axial expanded PTFE.
 The products are made without using PFOA.

Article grade:

Dimensions and tolerances of tape width

| Nominal tape width [mm] | 3,00 | 5,00 | 6,00 | 7,00 | 10,00 | 12,00 | 14,00 | 15,00 |
|--------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|
| Tolerances within the delivery [mm]* | ± 0,30 | ± 0,50 | ± 0,60 | ± 0,70 | ± 1,00 | ± 1,20 | ± 1,40 | ± 1,50 |

| Nominal tape width [mm] | 17,00 | 20,00 | 25,00 | 28,00 | 30,00 | 40,00 |
|--------------------------------------|--------|--------|--------|--------|--------|--------|
| Tolerances within the delivery [mm]* | ± 1,70 | ± 2,00 | ± 2,50 | ± 2,80 | ± 3,00 | ± 4,00 |

* Tape width is determined by a caliper gauge, e.g. Mahr 16EX.

The tolerances are based on DIN 30654 and are rounded up or down to two places after the decimal point.

Tolerances of tape length

| Tape length [m] | 5,00 | 10,00 | 15,00 | 25,00 | 50,00 |
|---------------------------------------|------------------|------------------|------------------|------------------|------------------|
| Tolerances [m] | + 0,50 - 0,00 | + 0,50 - 0,00 | + 0,50 - 0,00 | + 0,50 - 0,00 | + 0,50 - 0,00 |
| Valid pieces [pcs] | 1 | 1 | 2 | 3 | 3 |
| Min. length of each tape division [m] | 2,00 | 2,00 | 2,00 | 2,00 | 2,00 |

Tolerances for glue and masking tape width

Peel value after 24 hours: 5,3N/25mm

| Tape width [mm] | 3,00 | 5,00 | 6,00 | 7,00 | 10,00 | 12,00 | 14,00 |
|-------------------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|
| Glue width [mm] | 2,50 ± 0,50 | 2,50 ± 0,50 | 2,90 ± 0,90 | 3,40 ± 0,40 | 5,90 ± 1,00 | 5,90 ± 1,00 | 5,90 ± 1,00 |
| Masking tape width [mm] | 7,00 ± 0,50 | 7,00 ± 0,50 | 7,00 ± 0,50 | 7,00 ± 0,50 | 10,00 ± 0,50 | 10,00 ± 0,50 | 10,00 ± 0,50 |

| Tape width [mm] | 15,00 | 17,00 | 20,00 | 25,00 | 28,00 | 30,00 | 40,00 |
|-------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Glue width [mm] | 5,90 ± 1,00 | 6,80 ± 0,80 | 9,30 ± 1,30 | 9,30 ± 1,30 | 12,30 ± 0,80 | 12,30 ± 0,80 | 20,50 ± 2,50 |
| Masking tape width [mm] | 10,00 ± 0,50 | 15,00 ± 0,50 | 15,00 ± 0,50 | 15,00 ± 0,50 | 25,00 ± 0,50 | 25,00 ± 0,50 | 30,00 ± 0,50 |

Further tolerances

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.

| | Norm | Value |
|------------------------------|----------------------|-------------|
| Density [g/cm ³] | DIN EN ISO 1183-1 | 0,65 ± 0,10 |
| Hardness [Shore 00, 15s] | ASTM D 2240 | 80 ± 15 |
| Compressibility - c [%] | ASTM F36M (34,5 MPa) | > 80 |
| Recovery - r [%] | ASTM F36M (34,5 MPa) | > 3 |
| Tensile strength [MPa] | ISO 527-2 | 10 ± 5 |

Visual tolerances

Free of cracks, separations, notches, grooves, inclusions, fraying or contaminations.

Damages not more than 3 within a tape length of 1,0 m and not bigger than diameter 1,5 mm.

Different shades and gloss effects as well as slight surface scratches (not lower than 0,15 mm) are not considered as a fault.

Removability:

Tape is removable for assembly purposes up to 3 times in a row.

Winding technique:

Depending on the dimension of the sealing tape (W x H), the tape is wound linearly next to each other (cross to the spool) or in a single lane on top of each other on the spool.

The adhesive strip is wound outwards.

Packaging Units:

Tapes on the spool are wrapped with a parchment paper and delivered in a cardboard box.

Appropriate Storage:

Tapes must be stored at temperatures between +5° to +30°, dry, dust-free, protected from light (UV), excessive cold and heat exposure and the contact with solvents or oils. Thus, no decrease in the adhesive power is expected within 12 months.

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

Traceability:

Each sealing tape 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 characteristics 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:

Information on the application of the sealing tape can be found in the installation instruction.

Used sealing tapes must not be reused. In particular, never use sealing tapes 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.