

KWO® CellFlon Tape R – ePTFE gasket cord



Material grade:

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

Article grade:

Dimensions and tolerances of tape diameter

| Nominal tape diameter [mm] | 2,50 | 4,00 | 6,00 | 8,00 | 10,00 | 16,00 |
|--------------------------------------|--------|--------|--------|--------|--------|--------|
| Tolerances within the delivery [mm]* | ± 0,25 | ± 0,40 | ± 0,60 | ± 0,80 | ± 1,00 | ± 1,60 |

* Tape diameter is determined by a caliper gauge, e.g. Mahr 16EX.
 The tolerances are rounded up or down to two places after the decimal point.

Tolerances of tape length

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

Further tolerances

| | Norm | Value |
|------------------------------|----------------------|-------------|
| Density [g/cm ³] | DIN EN ISO 1183-1 | 0,70 ± 0,10 |
| Hardness [Shore 00, 15s] | ASTM D 2240 | 90 ± 15 |
| Compressibility [%] | ASTM F36M (34,5 MPa) | > 85 |
| Resilience [%] | ASTM F36M (34,5 MPa) | > 4 |
| 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.

Winding technique:

The gasket cord is wound in a single lane on top of each other on the spool.

Packaging Units:

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

Appropriate Storage:

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

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 gasket cords 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.