

KWO® MultiTex® Ring 2.0 – ePTFE gasket



Material grade:

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

Article grade:

Dimensions and tolerances of ring thickness

Nominal ring thickness [mm]	1,50	2,00	3,00	6,00
Tolerances within the delivery [mm]*	± 0,15	± 0,20	± 0,30	± 0,60
Maximum differences in the thickness for a single ring [mm]*	Δ0,20	Δ0,20	Δ0,20	Δ0,20

* Ring thickness is determined by measuring sensor, e.g. Käfer FD100/25 with gauge slide Form Standard C (flat, Ø 10mm).
 A measurement of the ring thickness with the aid of a caliper gauge 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 ring size

Nominal diameter [DN]	10 - 600
Tolerance [mm]	± 2,00

Further tolerances

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

Visual tolerances

Free of cracks, separations, notches, grooves, inclusions or contaminations and fraying.
 Different shades and gloss effects as well as slight surface scratches (max. 3 pcs. on the gasket) are not 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:

Gaskets are packed in a pressure lock bag and are delivered in a cardboard box.

Proper Storage:

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

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

Do not bend the rings.

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.