

KWO® CellFlon CL Tape – ePTFE gasket tape



Material grade:

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

Article grade:

Dimensions and tolerances of tape width

Nominal tape width [mm]	5,00	6,30
Tolerances within the delivery [mm]*	± 0,35	± 0,45

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

Dimensions and tolerances of tape thickness

Nominal tape thickness [mm]	2,00	1,40
Tolerances within the delivery [mm]*	+0,50 -0,10	+0,50 -0,10

* Tape thickness is determined by a measuring sensor, e.g. Käfer FD100/25 with gauge slide Form Standard C (flat, Ø 10mm)
The tolerances are rounded up or down to two places after the decimal point.

Tolerances of tape length

Tape length [m]	45,0
Tolerances [m]	+0,5 -0,0
Valid pieces [pcs]	0

Tolerances for glue and masking tape width

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

Tape width [mm]	5,00	6,30
Glue width [mm]	3,60 ± 0,50	4,20 ± 0,50
Masking tape width [mm]	7,00 ± 0,50	7,00 ± 0,50

Tolerances of density and hardness

	Norm	Value
Density [g/cm ³]	n.n.	0,70 ± 0,10
Hardness [Shore 00, 15s]	ASTM D 2240	90 ± 15

Visual tolerances

Free of cracks, separations, notches, grooves, inclusions, fraying's 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 5 times in a row.

Winding technique:

Depending on the dimension of the sealing tape (W x H), the tape is wounded 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 wounded 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° - +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.

Application:

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

The above-mentioned test criteria can be requested in form of an inspection certificate 3.1 according to EN 10204.