monoFlon®

Gasket Tape Style KW

"The Power Plant Tape" - reinforced ePTFE-Tape -

Style KW - Gasket Tape consists of high density expanded PTFE, reinforced with inorganic fillers.

Due to the special treatment the material is very homogenous. The high grade borosilicate glass filler is highly resistant to current chemicals and makes **Style KW** an ideal gasket even in the higher pH range.

The filled ePTFE has much better sealing and creep characteristics at higher temperatures, compared to standard monodirectional ePTFE Sealing Materials - specifically on flanges with higher unevenness.

The dense fibrous structure of **KW Gasket Tape** gives the material lower cross-sectional porosity and with this better sealing characteristics.

For easy installation the gasketing has an adhesive backing and can also be assembled on vertikal sealing surfaces.

Typical Applications

Components
spcifically for components in caloric power plants, like pre-heaters or other heat exchangers, also with higher unevenness or corroded sealing surfaces

Flanges
steel flanges

Media
suitable for the sealing of pipeline and apparatus flanges with aggressive media in the range of pH 1 to 12

Key Features

- highly adaptable
- chemically inert from pH 1 to 14
  (for use with alkali metals and elemental fluorine ask our technical service)
- easy and quick installation
- highly tight
- broad field of application
- no "baking" to the flange
- easy to remove
- universal sizes - low stocking costs

Technical Data

Material
virgin expanded PTFE (ePTFE) with inorganic filler

Temperature Resistance of the Sealing Material
-240°C to +270°C, intermittent to +315°C

Chemical Resistance
Chemical resistance to all media pH 0 to 14, except molten alkali metals and elemental fluorine

Recommended Application Range
full vakuum to 25 bar
at -200°C to +250°C

monoFlon®

Style KW Gasket Tape

Tape Sizes and Spool Lengths

Size [mm]	Spool Length 10 m	25 m	50 m
6 x 2,5		X	X
8 x 3,5	X	X	X
10 x 5	X	X	X

Choice Recommendation

Size [mm]	Sealing Surface
6 x 2,5	< DN 500
8 x 3,5	DN 500 bis DN 1000
10 x 5	> DN 1000

Assembly with skiving technique

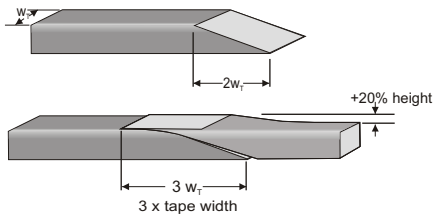


fig. 1

Torque Sequence

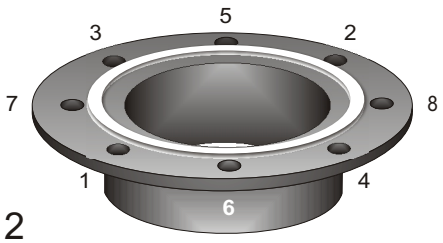
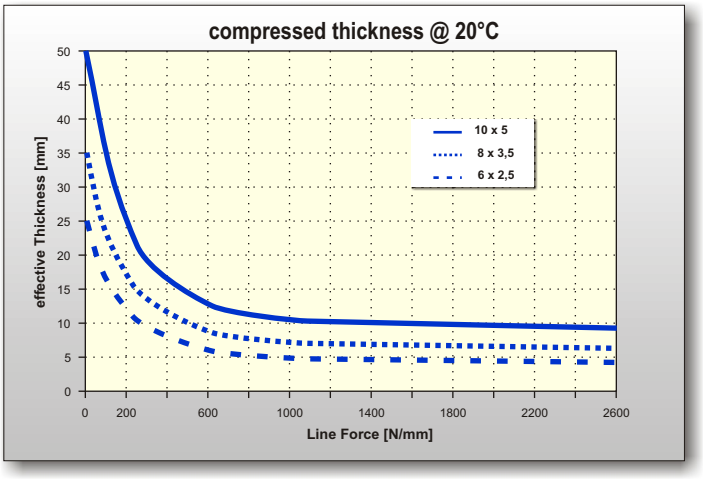


fig. 2

Characteristics



Installation

Completely clean the sealing area and remove any dirt, corrosion, oil or leftover from old gasket material.

With KW-Gasket Tapes always apply skiving technique (see fig.1).

Cut one ending of the sealing tape and remove just a little of the protecting paper.

Place the tape at the nearest possible position next to the bolts, starting next to a bolt hole.

Fit the gasket around the entire flange circumference and close the endings as shown in figure 1.

Overlap and skive the endings according to the recommended overlap length. Cut off the excess, tapering to the end, leaving a total thickness of approx. 120 %.

At least 4 progressive torque sequences with a torque wrench, in a star of 180° (fig. 2), should follow the first torque by hand.

Lastly perform a circular torque to check and ensure a tight and long-lasting seal.

FluorTex GmbH - Polymer Technology
Auf der Groeb 2c - 83064 Raubling - Germany
Tel.: +49-8035-9637940 - Fax: +49-8035-9637945
email: info@fluortex.com - www.fluortex.com

FluorTex GmbH Polymer Technology