

WT-M ePTFE Gasket Tape

WT-M gasket tapes consist of 100% expanded PTFE with a mono-directional fibre structure, equipped with a self-adhesive back to facilitate installation. Due to the manufacturing process, **WT-M** gasket tapes have a low cold flow and are easily malleable and adaptable. **WT-M** gasket tapes are suited for sealing flanges in frictional connections.



Advantages and Possible Applications

Advantages

- Easy and quick installation
- Minimal scrap, even with complex flange geometries
- Low storage costs (always the right seal available)
- Easy to remove - no residue on the flange when removing the seal
- Suitable for a wide range of flanges and flange surfaces such as steel, aluminium, rubber lined surfaces, plastics etc.

Typical Applications

- Lid sealings
- Heat exchangers
- Hand- and manholes
- Flanges of all sizes and geometries
- Aggressive media

Specifications

Chemical Resistance of the Sealing Material

pH 0-14 - resistant to all media, except dissolved or molten alkali metals and elemental fluorine at higher temperatures and pressures.

Temperature Resistance of the Sealing Material

-240 ° C to +270 ° C, intermittent to 315 ° C

Resistance to Aging

Within the admissible range of application, **WT-M** gasket tapes are not subject to aging. Please note, that the adhesive strength may decline after 1-2 years.

Recommended Operating Ranges

Pressure: Vacuum up to 40bar

Temperature: -240 ° C to 150 ° C

Depending on the application and assembly conditions, **WT-M** gasket tapes can be applied at higher temperatures and pressures. We gladly advise you.

Certificates and Approvals

tested according to TA-Luft (VDI 2440)

TÜV approved according to MUC-CSF-A066

corresponds with:

FDA 21 CFR 177.1550 (PTFE)

FDA 21 CFR175.105 (adhesive)

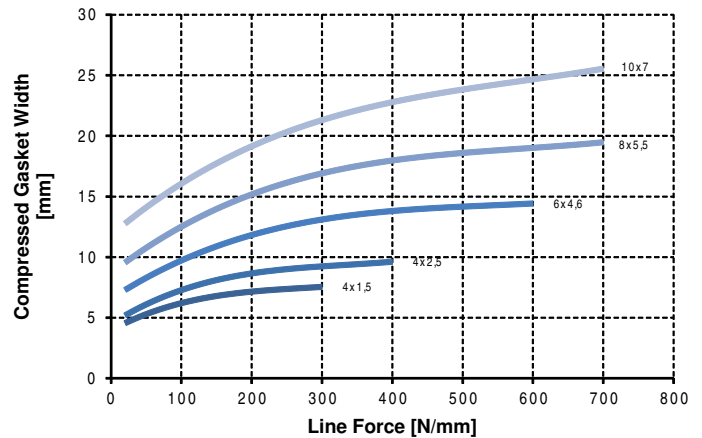
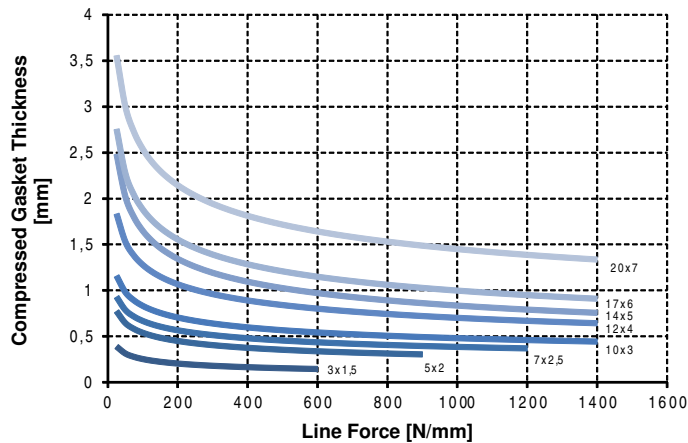
Standard Delivery Sizes

Article Description	Width x Thickness [mm x mm]	Spool Lengths [m]			
		5	10	25	50
WT-M 0315	3x1,5			x	x
WT-M 0520	5x2,0			x	x
WT-M 0725	7x2,5		x	x	x
WT-M 1030	10x3,0		x	x	x
WT-M 1240	12x4,0		x	x	
WT-M 1450	14x5,0	x	x	x	
WT-M 1760	17x6,0	x	x	x	
WT-M 2070	20x7,0	x	x	x	

Other dimensions and spool lengths on request.

Deformation of Gasket

Change of Gasket Width and Gasket Thickness at 20 ° C



Handling and Assembly

- Select gasket so that the sealing width or cross section covers 1/4 to 1/3 of the sealing surface.
- Remove residues of old sealings and any grease or corrosion.
- Release the protective film from the self-adhesive back for about 20 cm and mount the gasket tape, beginning from a bolt hole, closely to the bolt circle.
- Close the tape by overlapping the ends (Figure 1).
- For gasket tapes with a cross section larger or equal 17x6 mm, cut the ends as shown in Figure 3.1. and Figure 3.2.
- For stress-sensitive flanges mount tape as shown in Figure 2 and join the endings as shown in Figure 3.1. and 3.2.
- Using a torque wrench, tighten nuts crosswise in 3 to 4 progressive torque sequences until the optimum torque or bolt force is reached.

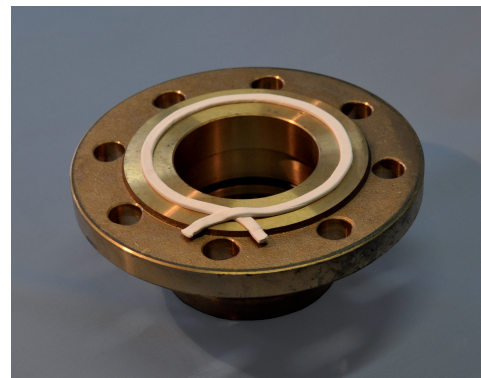


Figure 1

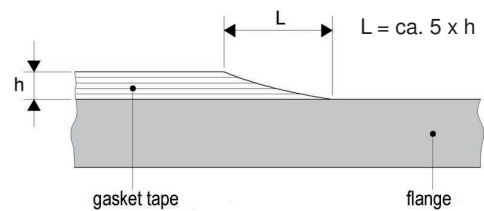


Figure 3.1.

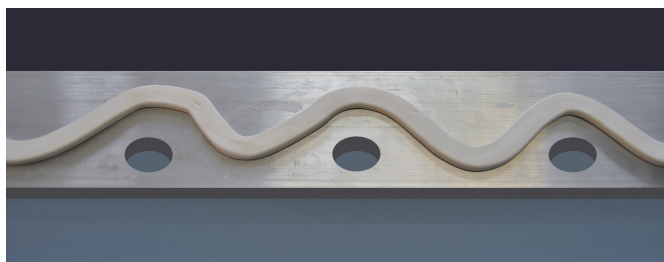


Figure 2

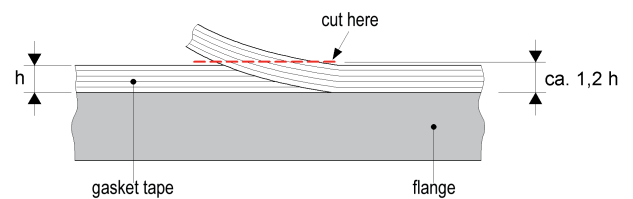


Figure 3.2.

Please note: All technical information and advice given is based on our previous experience to the best of our knowledge. However, this does not constitute any liability on our part. Given that only someone who is able to check all application conditions on site may reliably assess the performance of a product, specifications and values are always subject to revision by the user.

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