

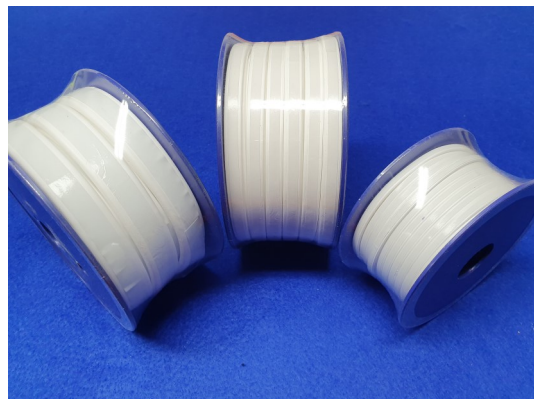
Adtex Expanded PTFE Sealing Tape

Expanded PTFE sealing tape is a cord or tape of pure PTFE extruded by a special process that expands and orientates the PTFE, making it soft and flexible. It is for use in flanged joints which are permanently bolted.

Adtex ePTFE is supplied as a cord or thick tape form with a self-adhesive strip to allow easy installation on vertical surfaces.

Being microporous, ePTFE is significantly different to conventional PTFE tubing – the material is air-permeable, soft and flexible, and feels somewhat like smooth, spongy marshmallow to the touch.

It is also chemically resistant with high linear strength, chemically inert, remains watertight at low pressure, has a low dielectric constant, and offers excellent radial expansion and UV resistance too.



Adtex Sealing Tape Unique Properties

- ◆ Simple, trouble-free fitting
- ◆ Universal application
- ◆ Minimum wastage
- ◆ Long life
- ◆ High degree of reliability
- ◆ Completely non-toxic and hygienic
- ◆ Low and simple stock holding
- ◆ Extremely cost effective

Recommended Adtex Sizes for Standard

<i>Nominal Bore (mm)</i>	<i>Tape Width (mm)</i>
50 mm	3 mm
200 mm	5 mm
600 mm	7 mm
1500 mm	10, 12 mm
1500+ mm	14, 17, 20 mm

Approvals: TUV Test no. MP3/8993, BAM Test no. TGB 8609/88 4-2905, DVGW Reg. no. G89 e 001

Adtex Sealing Tape Standard Sizes

<i>Adtech Part No</i>	<i>Tape Width (mm)</i>	<i>Tape Thickness (mm)</i>	<i>Quantity per Reel (m)</i>
ADX0315	3.00	1.50	25
ADX0520	5.00	2.00	25
ADX0725	7.00	2.50	25
ADX1030	10.00	3.00	25
ADX1240	12.00	4.00	10
ADX1450	14.00	5.00	10
ADX1760	17.00	6.00	10
ADX2070	20.00	7.00	5

Adtex Sealing Tape Installation Directions

Clean flange surfaces so that the self adhesive tape will adhere and fill any large irregularities if necessary. Remove the backing strip from the adhesive tape and stick the Adtex tape in a circle inside the circle of bolt holes. Make sure that the ends of the tape overlap just in front of one of the bolts to ensure maximum sealing pressure at that point. Tighten the bolts in the normal manner, with further tightening after a few hours of use, particularly if a large degree of temperature cycling occurs.

If the joint is found not to have completely sealed, it will be because the necessary surface pressures were not achieved. This can be checked by dismantling the joint and observing the flattened tape, which should be now transparent and not opaque white. The bolts should be tightened further or a narrower size of tape selected.

Typical Deformation at Various Clamping Pressures

<i>Size (mm)</i>	<i>10N/mm²</i>	<i>20N/mm²</i>	<i>30N/mm²</i>	<i>40N/mm²</i>
3.00 x 1.50	3.60 x 0.50	3.80 x 0.40	4.20 x 0.40	4.30 x 0.30
5.00 x 2.00	5.80 x 0.70	5.90 x 0.60	5.90 x 0.50	6.00 x 0.30
7.00 x 2.50	8.70 x 1.00	8.70 x 0.80	8.80 x 0.70	8.80 x 0.60
10.00 x 3.00	11.90 x 1.00	11.90 x 1.00	12.00 x 0.90	12.00 x 0.70
12.00 x 4.00	14.40 x 1.70	14.40 x 1.50	14.60 x 1.20	14.70 x 1.00
14.00 x 5.00	16.40 x 1.90	16.60 x 1.40	16.80 x 1.20	16.90 x 1.00
17.00 x 6.00	20.00 x 2.40	20.30 x 1.60	20.30 x 1.30	20.40 x 0.90
20.00 x 7.00	23.60 x 2.50	23.90 x 1.90	24.00 x 1.60	24.00 x 1.10

Specifications and information are based on our overall experience. We accept no liability for their accuracy.

For more information about our Expanded PTFE Sealing Tape, please visit adtech.co.uk

For other custom sizes or technical assistance, contact our customer service team:

+44 (0)1285 762000 - sales@adtech.co.uk