

ADTEX IS A UNIVERSAL GASKET

ADTEX 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 is supplied in flattened cord or thick tape form with a self adhesive strip to allow easy installation on vertical surfaces.

PTFE is a unique material offering special properties of importance to the process industries. The major properties are:

- Total chemical resistance
- High temperature resistance
- Non-stick
- Low and high temperature flexibility
- Non-ageing
- Completely non-toxic and hygienic



These properties are used to advantage in ADTEX gasket sealing tape, where one product can be used to seal virtually all flange faces in process plants, in process conditions up to 260° C. It can, therefore, be used as a universal jointing, eliminating the need to stock different grades of gasket for different chemicals and process conditions and as it is supplied in tape form, different gasket sizes no longer have to be stocked.

Recommended ADTEX sizes for standard flanges

UP TO NOMINAL BORE	TAPE WIDTH
50 mm	3 mm
200 mm	5 mm
600 mm	7 mm
1500 mm	10, 12 mm
+1500 mm	14, 17, 20 mm

Approvals

1. TUV Test no. MP3/8993
2. BAM Test no. TGB 8609/88 4-2905
3. DVGW Reg. no. G89 e 001

Advantages of ADTEX PTFE sealing tape:

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| <ul style="list-style-type: none"> * Simple trouble free fitting * Universal application * Minimum wastage * Long life | <ul style="list-style-type: none"> * High degree of reliability * Low and simple stockholding * Safe, non-toxic * Extremely cost effective |
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Standard Dimensions of ADTEX PTFE Sealing Tape

Adtech Part No	Tape Width mm	Tape Thickness mm	Quantity per Reel m
ADX0315	3	1.5	25
ADX0520	5	2.0	25
ADX0725	7	2.5	25
ADX1030	10	3	25
ADX1240	12	4	10
ADX1450	14	5	10
ADX1760	17	6	10
ADX2070	20	7	5

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

Size mm	10N/mm ²	20N/mm ²	30N/mm ²	40N/mm ²
3 x 1.5	3.6 x 0.5	3.8 x 0.4	4.2 x 0.4	4.3 x 0.3
5 x 2	5.8 x 0.7	5.9 x 0.6	5.9 x 0.5	6.0 x 0.3
7 x 2.5	8.7 x 1.0	8.7 x 0.8	8.8 x 0.7	8.8 x 0.6
10 x 3	11.9 x 1.0	11.9 x 1.0	12 x 0.9	12 x 0.7
12 x 4	14.4 x 1.7	14.4 x 1.5	14.6 x 1.2	14.7 x 1.0
14 x 5	16.4 x 1.9	16.6 x 1.4	16.8 x 1.2	16.9 x 1.0
17 x 6	20 x 2.4	20.3 x 1.6	20.3 x 1.3	20.4 x 0.9
20 x 7	23.6 x 2.5	23.9 x 1.9	24 x 1.6	24 x 1.1

Should you need assistance in choosing the correct size ADTEX tape for your particular application or would like a sample for evaluation. Then please contact our customer service team by phone on +44 (0) 1285 762000 or email sales@adtech.co.uk.

Specifications and information contained in this leaflet are based on our overall experience. They are correct to the best of our knowledge, but we accept no liability for their accuracy.