



## Product information

REV2013345

# TEADIT 25 BI

### Material properties:

**TEADIT 25 BI** is a multidirectionally expanded gasket-tape, produced from 100% pure PTFE (Polytetrafluorethylen). The whole production process is subject to strictest quality control, registered under ISO 9001.

### Application areas:

**TEADIT 25 BI** – due to its excellent malleability and adaptability – is particularly well suited to compensate for irregularities or damages on the sealing areas, as well as for all stress-sensitive joints.

A special manufacturing process results in almost equal tensile strength in both the longitudinal and cross direction. As a result of this, the material does not change its width under compression. This is in stark contrast to normal expanded PTFE tapes!

**TEADIT 25 BI**, because of this property, is extremely well suited as a gasket material for narrow sealing areas and in all applications where a defined gasket width (under load) is required. Typical applications are enamelled and glass flanges, heat exchangers, large flanges and containers, pressure vessels, suction filters and strainers, etc.

### Technical data:

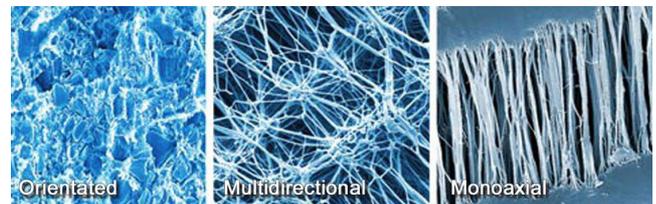
- Thermal stability: from  $-240^{\circ}\text{C}$  up to  $+270^{\circ}\text{C}$ ; up to  $315^{\circ}\text{C}$  for short periods
- Chemical resistance: chemically inert against most substances (pH 0 – 14), including the most aggressive acids and lyes. The only exceptions are molten alkali metals and elemental fluorine at high temperatures and high pressure
- Ageing: TEADIT 25 BI does not age and can be stored indefinitely. (Please note: the adhesive tape has limited shelf life)
- Pressure: from vacuum up to 200 bar
- Minimum stress to seal  $Q_{\text{min}}/L$  (EN 13555 HE, 40 bar)\*
  - $L[\text{mg}/\text{s}^*\text{m}] 10^{-2} \quad Q_{\text{min}}/L [\text{MPa}] = 23$
  - $L[\text{mg}/\text{s}^*\text{m}] 10^{-3} \quad Q_{\text{min}}/L [\text{MPa}] = 31$

\* tested with 2.0mm thickness

- Recovery: 10 % (ASTM F36)
- Compressibility: 70 % (ASTM F36)

### Approvals:

- FDA
- EU 1935/2004
- TA-Luft
- WRc



### Advantages:

- quick and simple installation, no cutting or punching necessary
- the used gasket can be easily removed without leaving any deposits on the sealing areas
- excellent malleability makes the repair of minor damages and irregularities unnecessary
- extremely versatile because of exceptionally good chemical and thermal stability
- there is less danger of choosing the wrong gasket material because TEADIT 25 BI can be used for most applications within the plant
- longer gasket life (less downtime)
- no material waste
- low stock cost



STOCKED, SUPPORTED AND DISTRIBUTED BY  
 email: [sales@williamjohnston.co.uk](mailto:sales@williamjohnston.co.uk)  
[www.williamjohnston.co.uk](http://www.williamjohnston.co.uk)



**WILLIAM JOHNSTON**  
 & COMPANY LIMITED  
 Glasgow: 0141 620 1666  
 Inverness: 01463 238673



**TEADIT®**

sealing for a safer and greener tomorrow



width mm	thickness 2,0 mm	thickness 3,0 mm	thickness 6,0 mm	thickness 9,0 mm					
10	x	x	x						
15	x	x	x						
20	x	x	x						
25	x	x	x						
30		x	x						
35		x	x						
40		x	x	x					
45			x	x					
50			x	x					
55			x	x					
65			x	x					



STOCKED, SUPPORTED AND DISTRIBUTED BY

email: [sales@williamjohnston.co.uk](mailto:sales@williamjohnston.co.uk)

[www.williamjohnston.co.uk](http://www.williamjohnston.co.uk)



**WILLIAM JOHNSTON  
& COMPANY LIMITED**

Glasgow: 0141 620 1666

Inverness: 01463 238673

**Disclaimer**

Please note, failure to select the correct materials or products we supply ("the Products") may result in damage to plant, equipment or property. In some instances, it may cause death or personal injury. We are not designers and do not give advice about design related matters concerning the Products. We can help and assist with the technical specifications for the Products. In specific applications, particularly where critical conditions exist, we will try to assist you within the limitations of the services that we offer. All information supplied by us is intended as technical co-operation outlining the specifications of the different Products which we supply. To the extent permitted in law, no warranty is given in respect of any information supplied by us. The customer must satisfy themselves as to the suitability of the Products for their intended application and use. The correct fitting of Products is the responsibility of the customer. Your statutory rights remain unaffected. Save in respect of death, personal injury or fraud, our entire liability to you, however arising from the supply of Products shall be limited to the £10M indemnity amount provided by our insurers.