

## 25BI

# Multidirectional Expanded PTFE Gasket Tape

### Construction:

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

### Application:

TEADIT 25 BI – due to its excellent malleability and adaptability – is particularly well suited to compensate for irregularities or damage on sealing areas, as well as for all stress-sensitive joints. Because of TEADIT 25 BI’s compression stability, it’s 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.

### 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 chance of choosing the wrong gasket material, because TEADIT 25 BI can be used for most applications within the plant, with longer gasket life (less downtime), no material waste, and low stock cost.

### Typical Physical Properties:

<b>Temperature</b>	Minimum:	-450°F (-268°C)
	Maximum Service:	500° F (260°C)
	Short Term Max:	600° F (310° C)
<b>Pressure</b>	Vacuum up to:	2900 psi (200 bar)
<b>Color</b>	White	
<b>pH</b>	0-14*	
<b>Compressibility</b>	70%	(ASTM F36)
<b>Recovery</b>	10%	(ASTM F36)

\*except molten alkali metals and elemental fluorine at high temperature and pressure

### Approvals:

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

Properties and application parameters shown throughout this data sheet are typical. Your specific application should not be undertaken without independent study and evaluation for suitability. For specific application recommendations consult TEADIT. Failure to select proper sealing products could result in property damage and/or serious personal injury. Specifications are subject to change without notice; this edition cancels all previous issues.



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