

## TEADIT 24SH WRAS Approval No 2208564. 31/08/2027

### Description:

TEADIT **24SH** is a large gasket sheet produced from 100% pure, multi-directionally expanded PTFE (Polytetrafluorethylen).

### Advantages:

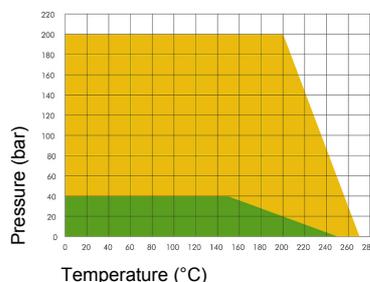
- Universally employable gasket sheet for all applications. It is suitable for all types of flanges, nearly all media, a wide temperature range and even for applications with the toughest demands on purity. It is inherently clean and non-toxic.
- The compressed gasket of multi-directionally expanded PTFE has exceptional mechanical strength which enables operation with less creep at higher temperatures than other types of PTFE sheets.
- The excellent malleability of TEADIT **24SH** makes repairing of small damages and/or irregularities of the sealing area (flange surface) unnecessary.
- Gaskets cut from TEADIT **24SH** are dimensionally stable, i.e. they do not get wider when compressed. This allows narrow flange faces to be sealed safely, i.e. without causing turbulences in the flow of the media.
- TEADIT **24SH** is quick and simple to install. The used gasket can be removed quickly, easily and without residue.

### Approvals:

- TA-Luft
- Blow-Out-Test VDI 2200
- FDA
- USP Plastic Class
- Germanischer Lloyd Approval
- BAM

### P x T diagramm:

The P x T diagram above indicates the service limits considering the simultaneous influence of pressure and temperature (chemical suitability assumed). The green area represents the normal service limits, while the orange coloured area shows the maximum application limits.



### Properties:

- Colour: white
- Size: 1500mm x 1500mm
- Thickness: from 0.5 mm up to 6 mm
- Temperature range: -240°C up to +270°C for short periods up to 315°C
- Chemical resistance: chemically inert against all substances (pH 0-14), including the most aggressive acids and lyes. The only exceptions are molten alkali metals and elemental fluorine at high temperature and pressure.
- Operating pressure: from vacuum up to 200 bar
- Aging: TEADIT **24SH** is not subject to aging or weathering. It can be stored indefinitely.
- Safety: TEADIT **24SH** complies to FDA regulations for food, is physiologically harmless and is also suitable for oxygen applications.

### U.K Distributor



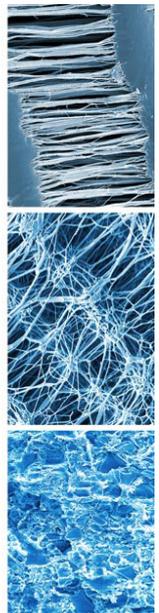
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## TEADIT 24SH

TEADIT 24 SH				
property		test method	nominal value	parameters
density	[g/cm <sup>3</sup> ]	ASTM D 792	0.9	
compressibility	[%]	ASTM F 36	45	$\sigma = 34 \text{ MPa}$
recovery	[%]	ASTM F 36	14	$\sigma = 34 \text{ MPa}$
compressibility $\epsilon$ KSW	[%]	DIN 28090 - 2	41	$\sigma = 20 \text{ MPa}$
recovery $\epsilon$ KRW	[%]	DIN 28090 - 2	10	$\sigma = 20 \text{ MPa}$
tensile strength	[MPa]	DIN 529 10	29	room temperature
stress retention	[MPa]	DIN 529 13	15	30 N/mm <sup>2</sup> , 150 °C, 16h
Q min 0,01	[MPa]	EN 13555	23	HE 40 bar
Q smin 0,01	[MPa]	EN 13555	< 10	HE 40 bar
Q min 0,001	[MPa]	EN 13555	31	HE 40 bar
Q smin 0,001	[MPa]	EN 13555	< 10	HE 40 bar
Q crit		EN 13555	> 240	room temperature
Q smax		EN 13555	> 240	room temperature
specific leakage rate L	[mbar · l / (s · m)]	VDI 2440 / TA LUFT	$2.6 \cdot 10^{-1}$	He, 1 bar, 30 MPa

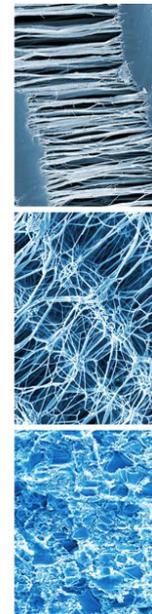
### UK Distributor



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#### 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.