

ePTFE Structured PTFE Compressed fibre sheets

TYPE	TEADIT 24 SH TEADIT TF 1510 TEADIT TF 1570 TEADIT TF 1580 TEADIT TF 1590 TEADIT NA 1006 TEADIT NA 1040 TEADIT NA 1005 TEADIT NA 1002 TEADIT NA 1122 TEADIT NA 1100											TYPE		
Composition	100 % PTFE PTFE with hollow glass micro spheres PTFE with hollow glass micro spheres PTFE with Barium Sulfate PTFE with Silica Aramid fibre sheet, bonded with Nitrile rubber (NBR) Cellulose fibres bonded with Nitrile rubber (NBR) Aramid fibres bonded with Nitrile rubber (NBR) Aramid fibres bonded with Nitrile rubber (NBR) Inorganic fibres and special fillers, bonded with nitrile rubber (NBR) Graphite and carbon fibres, bonded with Nitrile rubber (NBR)											Composition		
Tests and approvals	FDA, TA Luft, BAM, Blow-out test (VDI 2200), EU 1935/2004, EU 10/2011, USP VI, GL, ABS Design assessment, DVGW, WRAS BAM, TA Luft, Blow-out test (VDI 2200), GL FDA, TA Luft, GL, BAM, Blow-out test (VDI 2200), ABS Design assessment, EU 1935/2004, EU 10/2011 FDA, TA Luft, BAM, DVGW, GL, Blow-out test (VDI 2200), ABS Design assessment, EU 1935/2004, EU 10/2011 FDA, TA Luft, BAM, EU 1935/2004, EU 10/2011, DVGW, GL, KTW, Blow-out test (VDI 2200), ABS Design assessment KTW, ABS Design assessment GL, KTW, ABS Design assessment KTW, TA Luft, WRAS, GL, BAM, ABS Fire Safe, Blow-out test (VDI 2200), DVGW-HTB, ABS Design assessment DVGW, KTW, TA Luft, GL, Blow-out test (VDI 2200), ABS Design assessment											Tests and approvals		
Colour	white white blue off - white fawn light green light green blue green black black											Colour		
Density	DIN	0,90 g/cm ³	1,1 g/cm ³	1,7 g/cm ³	2,9 g/cm ³	2,1 g/cm ³	1,69 g/cm ³	1,8 g/cm ³	1,75 g/cm ³	1,95 g/cm ³	1,6 g/cm ³	1,7 g/cm ³	DIN	Density
Tensile Strength	DIN	29 N/mm ²	14 N/mm ²	14 N/mm ²	14 N/mm ²	14 N/mm ²	9 N/mm ²	8 N/mm ²	11,5 N/mm ²	13 N/mm ²	9 N/mm ²	17 N/mm ²	DIN	Tensile Strength
Compressibility	ASTM F 36	45 %	50 %	35 %	10 %	10 %	7 - 17 %	13 %	7 - 17 %	10 %	12 - 22 %	9 %	ASTM F 36	Compressibility
Recovery	ASTM F 36	14 %	16 %	30 %	40 %	40 %	50 %	55 %	45 %	60 %	40 %	60 %	ASTM F 36	Recovery
Leakage (TA Luft)	VDI 2440	2,6 · 10 ⁻⁷ mbar l/sm	1,1 · 10 ⁻⁵ mbar l/sm	3,7 · 10 ⁻⁶ mbar l/sm	5,9 · 10 ⁻⁷ mbar l/sm	1,1 · 10 ⁻⁶ mbar l/sm	—	—	—	5,5 · 10 ⁻⁷ mbar l/sm	—	1,87 · 10 ⁻⁷ mbar l/sm	VDI 2440	Leakage (TA Luft)
max. Temperature		270 °C	260 °C	260 °C	260 °C	260 °C	300 °C	210 °C	400 °C	400 °C	550 °C	450 °C		max. Temperature
max. Pressure		200 bar	55 bar	55 bar	83 bar	83 bar	80 bar	50 bar	110 bar	110 bar	150 bar	130 bar		max. Pressure

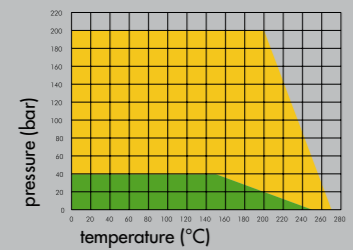
Description:
TEADIT 24SH is a gasket sheet produced from 100% pure, multi-directionally expanded PTFE (Polytetrafluorethylen).

Advantages:

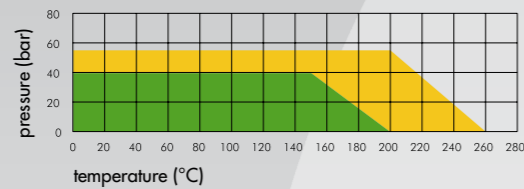
- Universally employable gasket sheet for all applications. It is suitable for all types of flanges, nearly all media, a wide temperature range and even for applications with the toughest demands on purity. It is inherently clean and non-toxic.
- Better creep resistance at higher temp. than other types of PTFE sheets.
- Excellent malleability.
- Gaskets cut from TEADIT 24SH are dimensionally stable.
- TEADIT 24SH is quick & simple to install.
- Can be stored indefinitely.

Dimensions:

- 24 SH**
1500 x 1500 mm
0,5 / 1,0 / 1,5 / 2,0 / 3,0 / 4,0 / 5,0 / 6,0 mm
- TF 1570**
1500 x 1500 mm
1,5 / 2,0 / 3,0 / 4,8 / 6,4 mm
1200 x 1200 mm
1,0 mm
- TF 1580 / TF 1590**
1500 x 1500 mm
1,5 / 2,0 / 3,0 mm
1200 x 1200 mm
1,0 mm



■ Standard range of operation, subject to chemical compatibility
■ Possible range of operation. Check technical suitability of the application



Description:
TF 1510 has the highest compressibility of all TF-sheets, comparable to that of e-PTFE material. It is produced from virgin PTFE resin filled with hollow glass micro-spheres.

Advantages:

- particularly well suited for use with uneven and / or older flanged joints.
- suitable for service with a wide variety of aggressive fluids.
- high residual stress.
- easy to cut.
- excellent malleability.

Description:
TF 1570 is a structured PTFE Gasket Sheet manufactured by a unique process which provides a high level of fibrillation to overcome the creep relaxation and cold flow problems associated with normal (skived or moulded) PTFE sheets. TF 1570 is produced from virgin PTFE resin filled with hollow glass micro spheres.

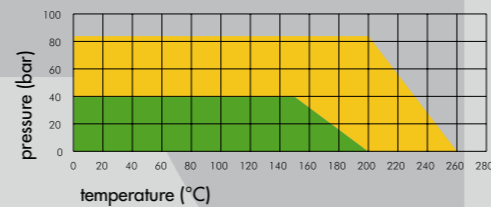
Advantages:

- Suitable for service with a wide variety of aggressive fluids.
- High compressibility.
- Excellent malleability.
- Quick and simple to install.

Description:
TF 1580 is a structured PTFE - Gasket - Sheet manufactured by a unique process which provides a high level of fibrillation to overcome the creep relaxation and cold flow problems associated with normal (skived or moulded) PTFE sheets. TF 1580 is produced from virgin PTFE resin filled with Barium Sulfate.

Advantages:

- Suitable for all types of flanges, nearly all media.
- Suitable for service with a wide variety of aggressive fluids, including hydrocarbons, moderate acids and strong caustics.
- The high purity of this gasket sheet makes it perfectly suitable for the food and pharmaceutical industry.
- TF 1580 is quick and simple to install.



Description:
TF 1590 is a structured PTFE - Gasket - Sheet manufactured by a unique process which provides a high level of fibrillation to overcome the creep relaxation and cold flow problems associated with normal (skived or moulded) PTFE sheets. TF 1590 is produced from virgin PTFE resin filled with Silica.

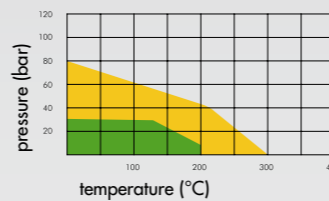
Advantages:

- Suitable for services with high pressures and temperature.
- Suitable for service with a wide variety of aggressive fluids especially strong acids (except hydrofluoric).
- TF 1590 is quick and simple to install.

Description:
TEADIT style NA-1006 is a compressed gasket-sheet produced from Aramid fibres, bonded with Nitrile rubber (NBR).

Advantages:

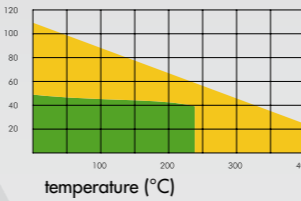
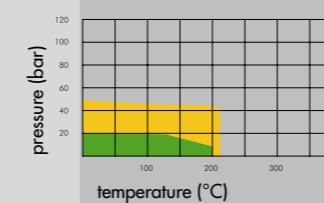
- Excellent general service sheet, formulated to handle lower pressures and temperatures.
- Suitable for water, gases, oils and Acides in mild service.



Description:
TEADIT style NA-1040 is a compressed gasket-sheet produced from cellulose fibres, bonded with Nitrile rubber (NBR).

Advantages:

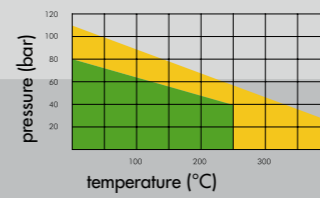
- Excellent general service sheet, formulated to handle lower pressures and temperatures.
- Suitable for water, petroleum derivatives, diluted alkalis, brine, animal and vegetable oils, general chemicals, aliphatic and aromatic solvents, neutral solutions etc.
- Recommended as an economical insert for PTFE-envelope-gaskets.



Description:
TEADIT style NA-1005 is a high quality compressed fibre sheet produced from Aramid fibres, bonded with Nitrile rubber (NBR).

Advantages:

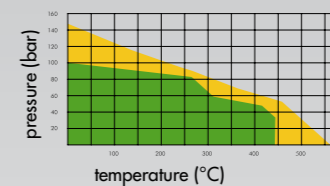
- Suitable for sealing petroleum derivatives, water, chemical products in general.
- Excellent cost-performance ratio.
- Recommend as insert for PTFE envelope gaskets.



Description:
TEADIT style NA-1002 is a high quality compressed fibre sheet produced from Aramid fibres, bonded with Nitrile rubber (NBR).

Advantages:

- Suitable for sealing petroleum derivatives, water, saturated steam, gases or chemical products in general. Exceptional performance in gas applications.



Description:
TEADIT style NA-1122 is an inorganic fiber sheet with special fillers bonded with Nitrile rubber (NBR).

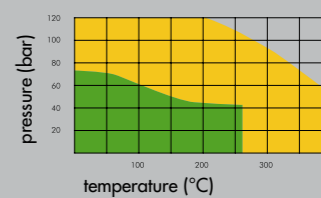
Advantages:

- Developed to exhibit superior thermal stability during extreme thermal cycling applications.
- Specially recommended for Saturated and superheated steam.
- Very effective in sealing liquids, Ethanol, Petroleum derivatives and other fluids.

Description:
TEADIT style NA-1100 is a top-quality gasket sheet with high temperature and pressure resistance, manufactured from graphite and carbon fibres, bonded with Nitrile rubber (NBR).

Advantages:

- Carbon fibres provide max. strength and stability.
- Up to 450 °C max. temperature.
- Outstanding chemical and steam resistance.



Dimensions:
1500 x 1600 mm
1500 x 3200 mm
3000 x 3200 mm

NA 1006
0,8 / 1,0 / 1,5 / 2,0 / 3,0 mm

NA 1040
NA 1005
NA 1002
NA 1122
NA 1100
0,5 / 1,0 / 1,5 / 2,0 / 3,0 mm

All technical data and recommendations given are based on our experiences. However, we do not undertake any liability whatsoever. All data and values have to be checked by the user, since the effectiveness of a seal can only be judged correctly by evaluating all data and parameters directly on site. The stated parameters of all packing styles are approximate and may be mutually influenced if occurring together. We suggest you contact us in the case of special applications.



Expanded graphite

TEADIT GP 1520	TEADIT GR 1520 / GE 1520	TYPE
Graphite sheet	Graphite sheet with plain (GR) or tanged (GE) metal insert	Composition
—	—	Approvals
black	black	Colour
1,0 g/cm ³	—	DIN Density
—	—	DIN Tensile Strength
> 40 %	40 - 50 % / 30 - 40 %	ASTM F 36 Compressibility
> 10 %	10 - 25 % / 15 - 30 %	ASTM F 36 Recovery
—	—	VDI 2440 Leakage (TA Luft)
450 (steam up to 650 °C)	450 (steam up to 650 °C)	max. Temperature
30 bar	70 bar / 140 bar	max. Pressure
> 98 %	> 98 %	Carbon
< 30 ppm	< 30 ppm	Chloride
< 1000 ppm	< 1000 ppm	Sulphur

Description:

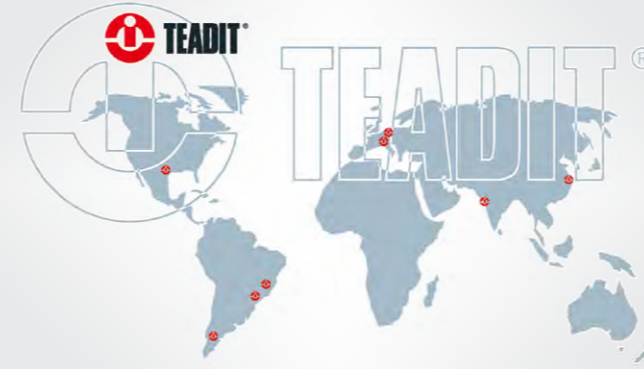
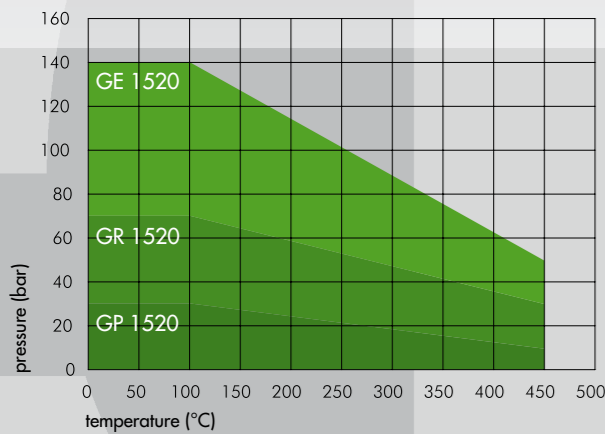
TEADIT expanded graphite sheets are produced from pure, expanded flexible graphite and do not contain any other fibers or filler materials. Because of their specific structure expanded graphite sheets are particularly suited for applications with extremely high or low temperatures, with highly corrosive and aggressive media, for sensitive flange materials (i.e. ceramic, glass, plastic) and for gas as well as steam applications.

Advantages:

- universally applicable for gases and fluids.
- chemically resistant against most media.
- excellent thermal conductivity.
- can be stored indefinitely.
- do not need anti-stick coating.
- extremely resistant to temperature cycles.

Dimensions:

1000 x 1000 mm
1,0 / 1,5 / 2,0 / 3,0 mm



PTFE gasket material ■ structured PTFE sheets ■ multidirectionally exp. PTFE sheets ■ multidirectionally exp. PTFE tapes ■ monodirectionally exp. PTFE tapes ■ **Braided gland packings** ■ Carbon / Graphite packings ■ PTFE packings ■ PTFE / Aramid packings ■ Aramid packings ■ Glass packings ■ Acrylic packings ■ Ramie packings ■ Polyimid packings ■ Novoloid packings ■ Nomex packings ■ Preformed packing rings ■ **Compressed fibre sheets** ■ Carbon / Graphite / NBR ■ Aramid /NBR ■ Cellulose / NBR ■ **Graphite sheets** ■ Graphite sheets with plain metal insert ■ Graphite sheets with tanged metal insert ■ Pure graphite sheets ■ **Gaskets** ■ PTFE envelope gaskets ■ Cut gaskets ■ Gaskets with metal eyelets ■ Double jacketed gaskets ■ Spiral-wound gaskets ■ Kamprofile gaskets ■ Hand- and manhole gaskets ■ Tank lid gaskets ■ Braided gasket tapes ■ **Jampak** ■ Injection gun ■ Jampak injectable compounds ■ Seal-Cage-System ■ **Expansion Joints** ■ Metallic and Non-Metallic Expansion Joints ■ **Accessories** ■ Various packing cutters ■ Packing extractors ■ Circular gasket cutter ■ **and many more...**

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GASKET SHEETS



Sealing for a safer and greener tomorrow