

## TEADIT GE 1520

### Graphite sheet with tanged metal insert SS 304 or SS316

#### Material composition:

TEADIT expanded graphite sheets are produced from pure, expanded flexible graphite and do not contain any other fibers or filler materials.

#### Properties:

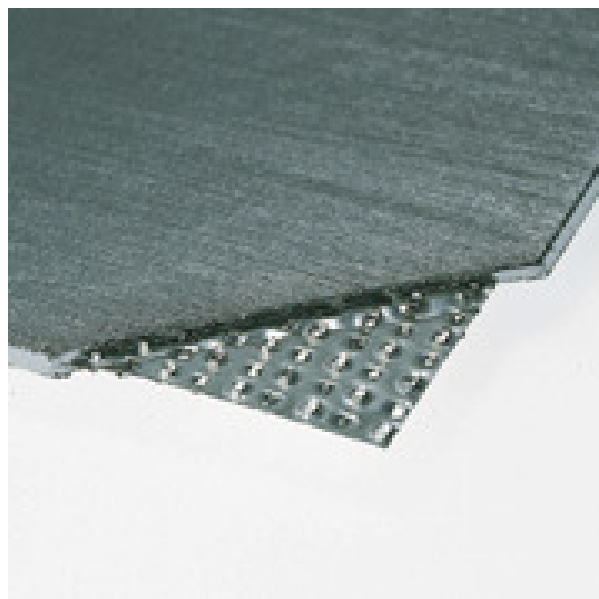
TEADIT expanded flexible graphite sheets are universally applicable for gases and fluids. They are chemically resistant against most media, have excellent thermal conductivity, can be stored indefinitely, do not need anti-stick coating and are extremely resistant to temperature cycles.

#### Application areas:

Because of its 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. enamel, glass, plastic) and for gas and steam applications.

#### Technical Data:

- Temperature range: - 240° C up to 450 ° C, with steam up to 650 °C, in non-oxidizing atmosphere up to 800°C
- pH range: 0 - 14
- pressure: 140 bar
- carbon content: > 98 %
- chloride content: < 30 ppm
- sulphur content: < 1000 ppm
- density (graphite): 1g/cm<sup>3</sup>
- compressibility: 30 - 40 %
- recovery: 15 - 30 %
- residual stress: > 45 N/mm<sup>2</sup>
- sheet size (in mm): 1.000 x 1.000
- thickness (in mm): 1.0 (only SS 316)/1.5 / 2.0 / 3.0



#### The following styles of TEADIT expanded graphite sheets are available:

- TEADIT GP 1520: pure expanded flexible graphite
- TEADIT GE 1520/ SS 304: pure expanded flexible graphite with tanged metal insert in SS 304 (0.1mm)
- TEADIT GE 1520/ SS 316: pure expanded flexible graphite with tanged metal insert in SS 316 (0.1mm)
- TEADIT GR 1520: pure expanded flexible graphite with plain metal insert in SS 316 (0.05mm)

Because graphite sheets are fragile and therefore difficult to handle, we recommend the use of styles with metal insertions. All styles are available with or without impregnation.

**NO WAY THROUGH**



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