

## Product information

REV2015204

# TEADIT GR 1520

## graphite sheet with plain metal insert SS 316

### Material composition:

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

Please note: the colour of the actual product might vary from the above image on this data-sheet.

### 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:

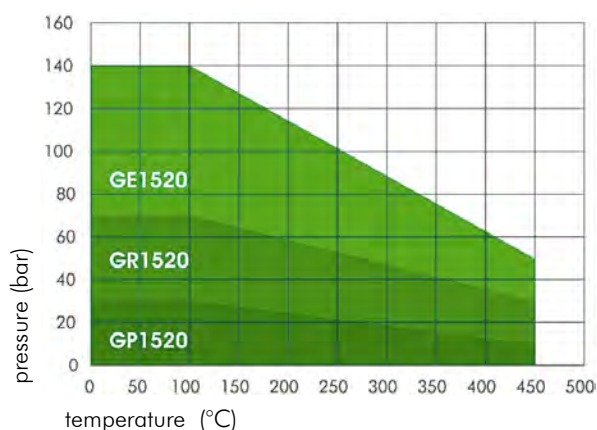
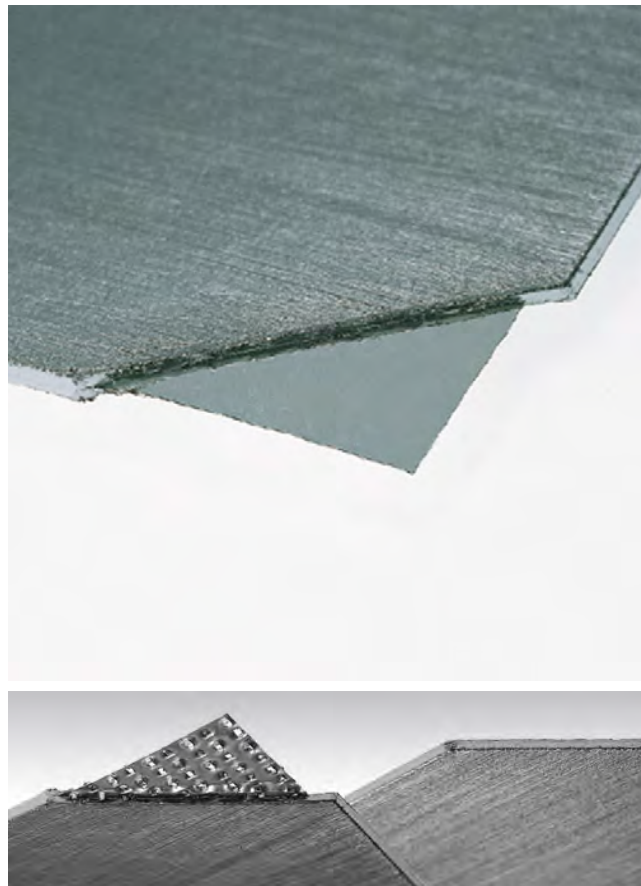
Because of its specific structure expanded graphite sheets are particularly suited for applications with extremely high or low temperatures, with highly corrosive and aggressive media, for sensitive flange materials (i.e. enamel, glass, plastic) and for gas and steam applications.

### 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: 70 bar  
carbon content: > 98 %  
chloride content: < 30 ppm  
sulphur content: < 1000 ppm  
density (graphite): 1g/cm<sup>3</sup>  
compressibility: 40 - 50 %  
recovery: 10 - 25 %  
residual stress: > 45 N/mm<sup>2</sup>

sheet size (in mm): 1.000 x 1.000  
thickness (in mm): 1.0 / 1.5 / 2.0 and 3.0



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.

Since all properties, specifications and application parameters shown throughout this catalogue are approximate and may be mutually influenced, your specific application should not be undertaken without independent study and evaluation for suitability. All technical data and advice given is based on experiences TEADIT® has made so far. Failure to select proper sealing products can result in damage and/or personal injury. Properties, specifications and application parameters are subject to change without notice. TEADIT® does not undertake any liability of any kind whatsoever. Please note: the colour of the actual product might vary from the above image on this data-sheet.

TEADIT INT. - Rosenheimer Str. 10, 6330 Kufstein, AUSTRIA, Tel.: +43-5372-64020-0, Fax: +43-5372-64020-20, [austria@teadit.eu](mailto:austria@teadit.eu), [www.teadit.eu](http://www.teadit.eu)  
TEADIT Deutschland - Schanzenstr. 35, 51063 Cologne, GERMANY, Tel.: +49-221-922 342-0, Fax: +49-221-922 342-22, [germany@teadit.eu](mailto:germany@teadit.eu)