

Graphite sheet GR 1520

with plain metal insert SS316

Rev.Nr.: 02/131004

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: 70 bar

carbon content: > 98 %

chloride content: < 30 ppm

sulphur content: < 1000 ppm

density (graphite): 1g/cm³

compressibility: 40 - 50 %

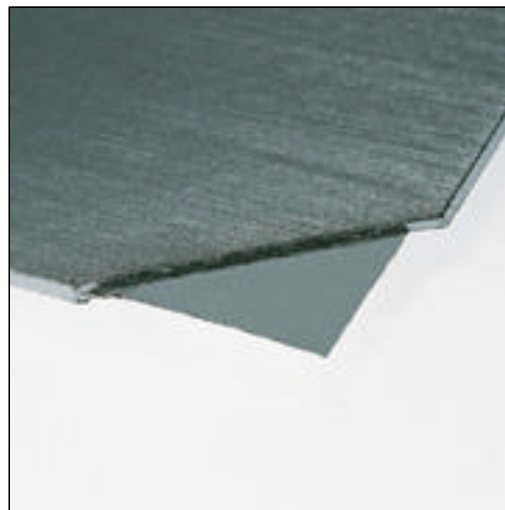
recovery: 10 - 25 %

residual stress: > 45 N/mm²

Product standard:

sheet size (in mm): 1.000 x 1.000

thickness (in mm): 1,0 / 1,5 / 2,0 and 3,0



The following styles of TEADIT expanded graphite sheets are available:

TEADIT GP 1520:

pure expanded flexible graphite.

TEADIT GE 1520/SS304:

pure expanded flexible graphite with tanged metal insert in SS304 (0,1mm)

TEADIT GE 1520/SS316:

pure expanded flexible graphite with tanged metal insert in SS316 (0,1mm)

TEADIT GR 1520:

pure expanded flexible graphite with plain metal insert in SS316 (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.

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Since all properties, specifications and application parameters shown throughout this product information 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 liability of any kind whatsoever.

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