

Product information

REV202111

TEADIT GE 1520

Graphite sheet with tanged metal insert SS 316

Description:

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:

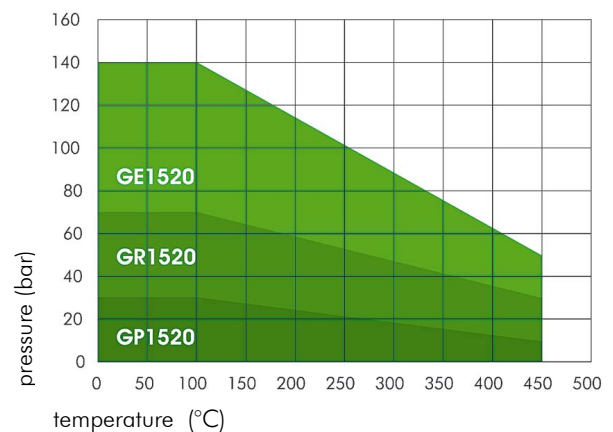
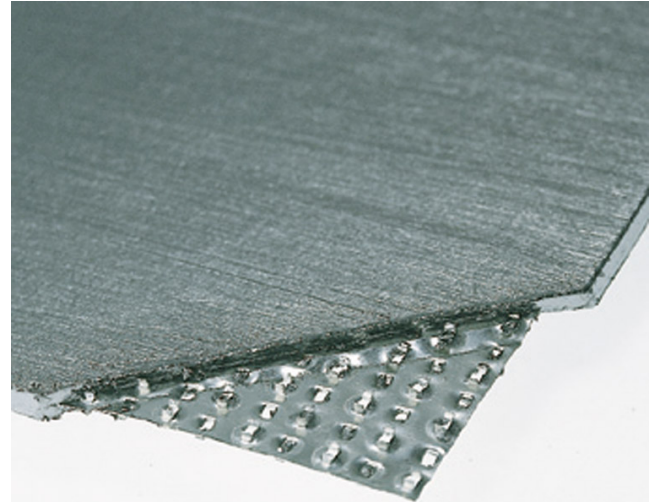
Because of its specific structure expanded graphite sheets are particularly suited for applications with extremely high or low temperatures, with highly corrosive and aggressive media, for sensitive flange materials (i.e. enamel, glass, plastic) and for gas and steam applications.

Technical Data:

- Temperature range: -240 °C up to +450 °C,
with steam up to +650 °C,
in inert 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): 1.0 g/cm³
- compressibility: 30 - 40 %
- recovery: 15 - 30 %
- residual stress: > 45 N/mm²
- sheet size (mm): 1.000 x 1.000 and 1.500 x 1.500
- thickness (mm): 1.0 (only SS 316)/1.5 / 2.0 / 3.0

Approvals:

- Fire-Safe on demand



Because graphite sheets are fragile and therefore difficult to handle, we recommend the use of styles with metal insertions.

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 color of the actual product might vary from the above image on this data-sheet.

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