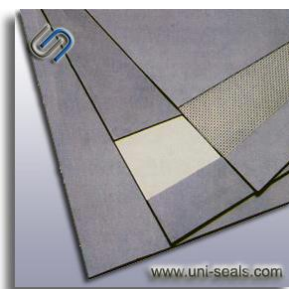


Graphite Sheet Reinforced with Metal Foil



GS1000R2 Graphite sheet reinforced with metal foil

GS1000R2 is made from expanded flexible graphite sheet GS1000, reinforced with a smooth metal foil insertion of stainless steel 304 or 316 in thickness of 0.05mm or 0.1mm. The metal foil is inserted and bonded to the graphite sheet to form a sturdy gasket material which is relatively easy to process and handle.

Normal Styles:

GS1000R2/304

GS1000R2/316

Properties:

Outstanding chemical resistance, good resistance to high and low temperature, long-term stability of compressibility and recovery independent of temperature, no cold or warm flow, good leakage properties, and unlimited storage life.

Applications:

It's an excellent material used for a wide range of industrial sealing applications including steam, hot water, thermal oils and hydrocarbons.

Specifications:

Density of graphite	1.0~1.2g/cm ³
Compressibility	30~50%
Recovery	≥10%
Ignition loss (450°C, 1h)	≤1%

Suitable mediums:

Steam, water, oils, and virtually all mediums.

Temperature: -200°C~+550°C;

Peak pressure: Up to 150bar;

Medium PH range: 0~14.

Normal Dimensions:

Length: 1000mm, 1500mm, 2000mm;

Width: 1000mm, 1500mm, 2000mm;

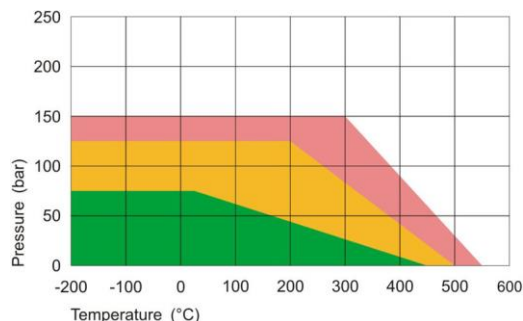
Thickness: 1.0~4.0mm.

Other dimensions are also available on request.

For sheets with thickness of 5mm or above, it is recommended to use 2 layers of reinforcing metal foils.

Pressure/Temperature Graph

(For water-type and oil-type fluids)



Green area: represents the normal service limits;
Orange area: shows the short-period application limits;
Red area: may be suitable but essential to contact the technical team for advice.