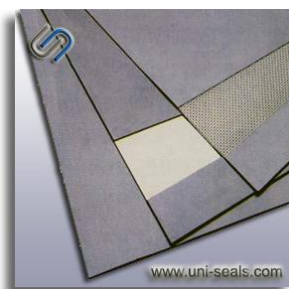


Graphite Sheet Reinforced with Metal Mesh



GS1000R3 Graphite sheet reinforced with metal mesh

GS1000R3 is made from expanded flexible graphite sheet GS1000, reinforced with a metal mesh insertion of stainless steel 304, 316, or carbon steel. It is an economical alternative to Unimax GS1000R1 and GS1000R2 sheets.

Normal Styles:

GS1000R3/304

GS1000R3/316

GS1000R3/CS

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, and unlimited storage life.

Applications:

Could be used in a wide range of industrial sealing applications including steam, hot water, thermal oils and hydrocarbons, especially if the medium pressure is not very high.

Specifications:

Density of graphite	1.0~1.2g/cm ³
Compressibility	≥20%
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 100bar;

Medium PH range: 0~14.

Normal Dimensions:

Length: 1000mm, 1500mm, 2000mm;

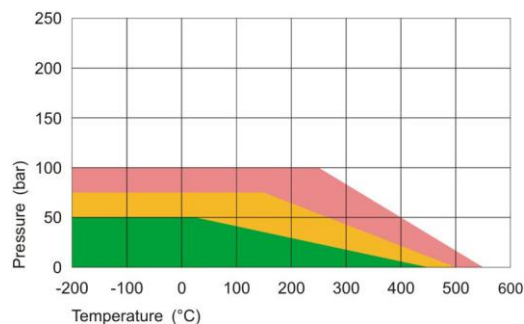
Width: 1000mm, 1500mm, 2000mm;

Thickness: 1.0~4.0mm.

Other dimensions are also available on request.

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.