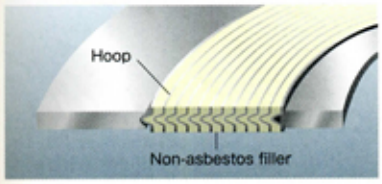
These gaskets use metal as the base material, so they can be used at higher temperature and pressure compared to a sheet gasket. These gaskets fit well with the flanges, so a good seal can be obtained using a smaller tightening force than that of a metal gasket.

TOMBO No.

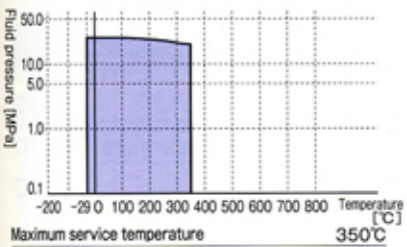
1834R-NA series

NA Vortex™ gasket



- This is an economical vortex™ gasket which uses non-asbestos (NA) paper as a filler.
  - *So long as there are no restrictions such as the inability to use black filler, the use of GRASEAL™ Vortex™ which has superior heat resistance and sealing performance is recommended.

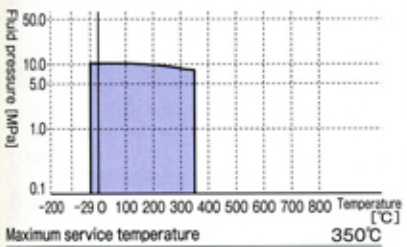
Water-type fluid



Maximum service temperature 350℃

Maximum service pressure Class 1500(Approx. 26MPa)

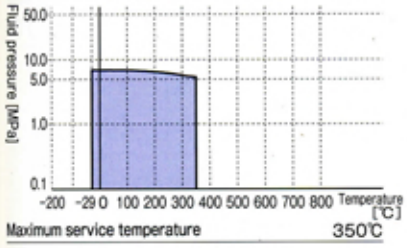
Oil-type fluid



Maximum service temperature 350℃

Maximum service pressure Class 600(Approx. 10MPa)

Gas-type fluid



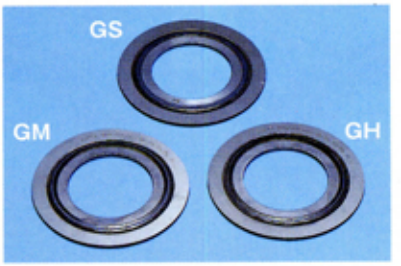
Maximum service temperature 350℃

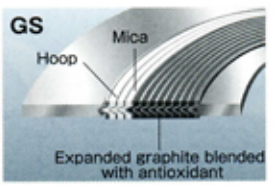
Maximum service pressure Class 400(Approx. 7MPa)

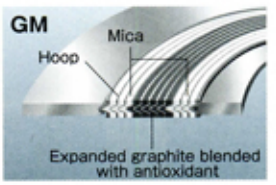
TOMBO No.

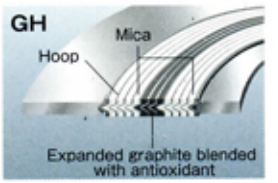
1836R-GS/-GM/-GH series

Vortex™ gasket -GS/-GM/-GH





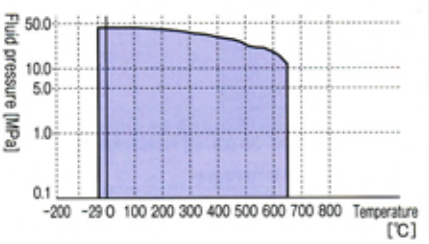




- This gasket uses a special expanded graphite filled with antioxidant, enabling it to be used at a temperature of 450℃ or higher.
  - *The sealing performance of the normal GRASEAL™ vortex™ gasket is superior to this type.
- One of three types, -GS, -GM and -GH, can be selected according to the conditions of use.
  - -GS series: A location where oxygen is not contained in the internal fluid
  - -GM series: Temperature of 450℃ or higher
  - -GH series: Temperature of 650℃ or higher

Water-type and oil-type fluids

-GS series, -GM series

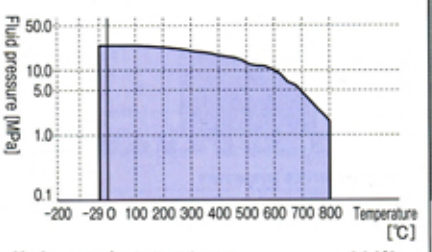


Maximum service temperature 650℃

Maximum service pressure Class 2500(Approx. 43MPa)

Water-type and oil-type fluids

-GH series

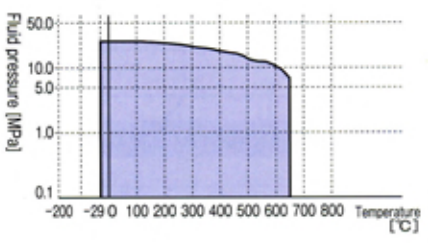


Maximum service temperature 800℃

Maximum service pressure Class 1500(Approx. 26MPa)

Oil-type and gas-type fluids

-GS series, -GM series

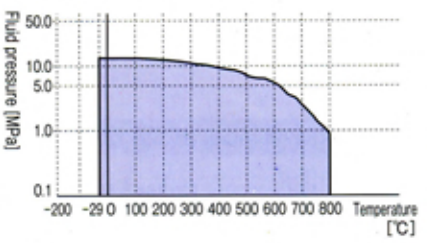


Maximum service temperature 650℃

Maximum service pressure Class 1500(Approx. 26MPa)

Oil-type and gas-type fluids

-GH series



Maximum service temperature 800℃

Maximum service pressure Class 1500(Approx. 26MPa)

*In the case of a gas-type fluid at 650℃ or higher, use Class 600 or lower.

*This product has been designed to minimize the loss of expanded graphite through oxidation. If oxygen is contained in the internal fluid, however, it is conceivable that the loss of expanded graphite will start to occur when the temperature exceeds 450℃.
Do not use this type of gasket at 450℃ or higher if the internal fluid contains oxygen.

For details of vortex™ gaskets, see P.38 to P.45.