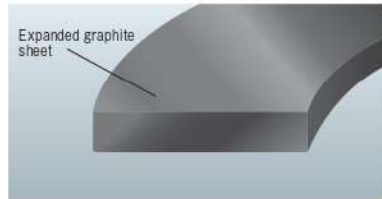




Comparison of GRASEAL™ Gaskets

Product name
Construction
Features
Service range
Remarks

TOMBO No.
1200
GRASEAL™ gasket



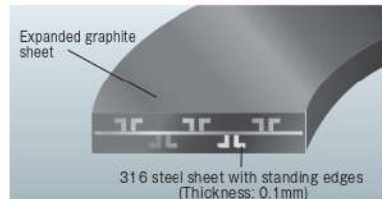
- More economical than other GRASEAL™ gaskets.
- This gasket has lower strength and poor handling compared to a gasket containing a steel plate. For this reason, it should be used only for a nominal diameter of 4 inches or less.

Service temperature

Oxide atmosphere -240~400°C
Non-oxide atmosphere -240~800°C

Service pressure ~3.0MPa

TOMBO No.
1210-A
GRASEAL™ gasket MI-A



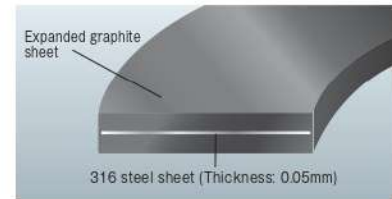
- Has higher strength than TOMBO No. 1215-A.
- * This type is recommended in the case where the strength of TOMBO No.1215-A is insufficient, or when there is a limitation imposed by the specifications.

Service temperature

Oxide atmosphere -240~400°C
Non-oxide atmosphere -240~800°C

Service pressure ~5.2MPa

TOMBO No.
1215-A
GRASEAL™ gasket PM-A



- Has excellent handling ability, and can be formed into complicated shapes.
- Used with specially shaped flanges, valve bonnets, heat exchangers, and so on.

Service temperature

Oxide atmosphere -240~400°C
Non-oxide atmosphere -240~800°C

Service pressure ~5.2MPa

[Other lineups]
A type with SUS304 steel sheet core is available. Its heat resistance and pressure resistance are not significantly different from those of TOMBO No. 1215-A, so select a gasket that matches your specifications.

- TOMBO No.1215 ... SUS304 with a thickness of 0.1mm
- TOMBO No.1215-B-E04 ... SUS304 with a thickness of 0.4mm
- TOMBO No.1215-B-E10 ... SUS304 with a thickness of 1.0mm

[Impermeability treatment]
The TOMBO No.1215 series contains a lineup that has been treated to make it impermeable.

- TOMBO No.1215-T
- TOMBO No.1215-AT
- TOMBO No.1215-BT-E04
- TOMBO No.1215-BT-E10

▶ **Information** Oxide atmosphere: This refers to the state in which a gas contains a large quantity of oxygen, ozone, nitrogen dioxide or other oxidized gas. *Ambient atmosphere corresponds to an oxide atmosphere.
Non-oxide atmosphere: This refers to a state in which a space is filled with a noble gas, nitrogen, nitrogen dioxide, or the like.
Impermeability treatment: Expanded graphite is graphite that has been expanded between the crystalline layers. It has a porous construction, so a GRASEAL™ gasket is unable to completely prevent minute amounts of gas leakage. If high gas sealing performance is demanded, use a gasket that has been subjected to impermeability treatment and to which sufficient seating stress for sealing can be applied.
When impermeability treatment is carried out, the heat resistance will fall (maximum service temperature: 260°C), but the gas sealing performance will improve.