

Gra-Flex 5400[®]

is an expanded graphite gasket sheet, with more than 99% of purity, reinforced with a 0.05 mm thick flat stainless steel 316L core.

PRODUCT FEATURES:

GRA-FLEX[®]-5400 is recommended for high temperature, high pressure sealing applications, for applications involving high sealing stresses and where high blowout resistance is required. The inclusion of steel reinforcing layer gives rise to a robust sheet with excellent handling characteristics.

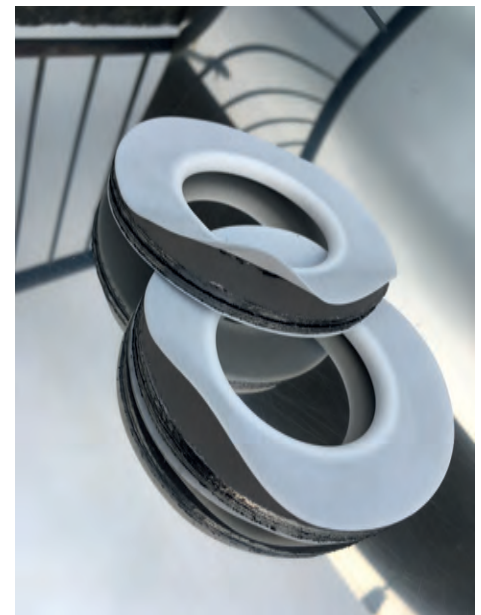
Can be used to seal a wide range of media, with the exception of strong oxidising agents, at extreme temperature and pressure.

The soft conformable nature of graphite facing material makes **GRA-FLEX[®]-5400** suitable for sealing between worn or pitted flanges.

Typical industries where is used includes chemical and petrochemical plants, refineries and power generation.

AVAILABLE SIZE:

GRA-FLEX[®]-5400 is available in sheets size 1000mm x 1000mm and 1500mm x 1500mm tolerance - thickness 1,5/2,0/3,0; other thickness upon request.



TYPICAL PROPERTIES:

| PROPERTIES | TEST METHOD | UNITS | VALUE |
|--|-------------|----------|---------------|
| Colour | | | Gray |
| Max recommended Temperature (inert or reduceing media) | | °C | - 196 / + 700 |
| Max recommended Temperature (oxidising media) | | °C | - 196 / + 370 |
| Max Operating Pressure | | bar | 150 |
| Density of graphite | ASTM D792 | gr/cm3 | 1,00+/-0,05 |
| Creep Relaxation | DIN 3535-6 | % | < 3 |
| Tensile Stenght | ASTM | Mpa | > 25 |
| Compressibility | DIN 3535-6 | % | > 35 |
| Recovery | DIN 3535-6 | % | > 5 |
| Leackage rate | DIN 3535-6 | mg/(s*m) | < 0,08 |
| Purity of graphite | | | > 99% |
| Sulphure Content | | | < 1000 ppm |
| Leachable Chloride Ion Content | | | < 50 ppm |
| Leachable Fluoride Ion Content | | | < 50 ppm |
| Y | ASME VIII | MPa | 14 |
| m | ASME VIII | factor | 2 |

Note : These are typical properties and not used for specification purpose

PRODUCT PROPERTIES:

- Reduced product loss and emissions
- Without creep relaxation and cold flow
- Excellent chemical resistance
- Excellent bolt torque retention
- High range of operation temperature and pressure

All information in this document is based on years of experience in manufacture and use of the discussed products. Since sealing performance in the joint is subject to multiple factors such as mounting method, system parameters, and sealed medium, technical parameters specified herein are of informative nature only and cannot be used as grounds for any claims any special uses of products are subject to consulting with the manufacturer.