# PRESSURE SEAL STEELGRAPH G33

## Composition

- Pure expanded mineral graphite
- Anti-extrusion metal rings

## Characteristics

Steelgraph G33 features a structure of expanded mineral graphite with the insertion of metal rings on the corners. This combination offers effective protection against extrusion while maintaining high elasticity and resistance properties. The gasket is designed to withstand high pressures and maintain reliable sealing over time.

## Applications

This gasket is specifically designed for pressure seal valves and high and medium pressure condensers in thermal power plants. Thanks to its extrusion resistance and durability, it is suitable for high-pressure and high-temperature environments.

## Tech Data

| | P bar | lbf/in2 | Vm/S | f/pm | pH | T°C | T°F |
|---|---|---|---|---|---|---|---|
| | 1500 | 22500 | | | 0÷14 | -200 ÷ 450 / 650 | -330 ÷ 840 / 1200 |

- Never use the product at its maximum rated temperature and pressure simultaneously. Consult the manufacturer for further information.
- The peak temperature can be sustained only for short exposure periods.
- When used with weakly oxidizing agents or hot air, the temperature shall not exceed **450 °C**.
- When used with steam or non-oxidizing fluids, the temperature shall not exceed **650 °C**.



## Pressure Seal Steelgraph G33

Steelgraph G33 is a gasket made by molding expanded graphite with the insertion of metal rings on the corners. This solution allows combining the high elasticity of graphite with excellent extrusion resistance.

The information provided in this publication, as well as that supplied to users in other forms, is based on our experience and communicated according to the best knowledge available. However, since numerous factors beyond our knowledge and control may influence the use of the products, no warranty, explicit or implicit, is given regarding such content. The operating limits indicated do not constitute confirmation that these values can be applied simultaneously. Avoid using the product at the maximum temperature and pressure limits. The maximum temperature is sustainable only for short periods under specific conditions. Specifications may be changed without notice. The images in the DS may not exactly represent the product, its color and/or marking.

GLOBAL SEALING SOLUTIONS

**Carrara S.p.A.**,
Via Provinciale 1/E - 25030 Adro - BS - Italia
tel. +39 030 7451121 carrara.it - info@carrara.it