# GR80SGR OXYGEN BAM

## Composition

Expanded pure mineral graphite with special nickel-alloy reinforcement

## Characteristics

The GR80SGR OXYGEN BAM gasket is a high-quality product made with pure expanded graphite yarn and produced through a contamination-free process. This gasket is flexible and exhibits excellent aging resistance when exposed to pure oxygen at 300°C and 220 bar pressure. Additionally, tests conducted on aged samples have shown that the gasket does not exhibit auto-ignition up to a temperature of 500°C. These characteristics make the GR80SGR OXY an ideal choice for applications that require high temperature and pressure resistance in the presence of pure oxygen.

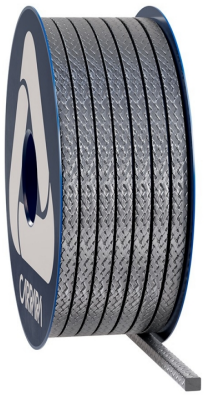
## Applications

The GR80SGR OXYGEN BAM gasket is specifically designed for oxygen service and intended for use in maintaining valves used in this type of service, but it can also be used for valves that require its high-performance features. It complies with the weight loss requirements established by the EN 14772 standard, section 6.7 and meets the safety requirements specified by the BAM certificate (report no. 2-952/2014E).

## Tech Data

| | P bar | lbf/in2 | Vm/S | f/pm | pH | T°C | T°F |
|---|---|---|---|---|---|---|---|
| | 220 | 3300 | 1 | 200 | 0 ÷ 14 | -200 ÷ 300 | -330 ÷ 570 |

- The maximum indicated temperature of 300°C refers to the use of the product with a fluid containing 100% oxygen. For fluids with a lower oxygen content, the product can be used at higher temperatures. In such cases, consult the Carrara Technical Office for further information.



## GR80SGR OXYGEN BAM

Carrara's graphite packing range offers a complete set of solutions designed to meet various application needs, using all the main types of graphite yarn available today. The range stands out for the quality of its materials and for the presence of corrosion inhibitors, developed to ensure greater durability and reliability over time. Carrara provides tailored solutions for every performance level: from industrial-grade products for standard applications to performer and premium lines designed for more demanding uses where efficiency and reliability are essential. Each packing is engineered to best fit the specific application, helping improve sealing performance and reduce operational costs. Visit our ***Compression Packing Stock*** page. Carrara offers a wide range of sizes and materials available for immediate shipment.

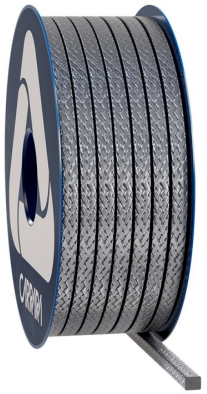
The information provided in this publication, as well as that supplied to users in other forms, is based on our experience and communicated according to the best knowledge available. However, since numerous factors beyond our knowledge and control may influence the use of the products, no warranty, explicit 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

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# GR80SGR OXYGEN BAM

| sezione mm | sezione inch | kg/box | lbs/box | mt/box | ft/box | mt/kg | ft/lbs |
|---|---|---|---|---|---|---|---|
| 3 | 1/8" | 1 | 2.2 | 52.6 | 172.6 | 52.6 | 78.4 |
| 4 | - | 1 | 2.2 | 41.7 | 136.8 | 41.7 | 62.1 |
| 5 | 3/16" | 1 | 2.2 | 26.3 | 86.3 | 26.3 | 39.2 |
| 6 | - | 2.5 | 5.5 | 46.3 | 151.9 | 18.5 | 27.6 |
| 6.5 | 1/4" | 2.5 | 5.5 | 39.7 | 130.2 | 15.9 | 23.6 |
| 8 | 5/16" | 2.5 | 5.5 | 26.0 | 85.3 | 10.4 | 15.5 |
| 9.5 | 3/8" | 2.5 | 5.5 | 18.5 | 60.7 | 7.4 | 11.0 |
| 10 | - | 2.5 | 5.5 | 16.7 | 54.8 | 6.7 | 10.0 |
| 11 | 7/16" | 2.5 | 5.5 | 14.3 | 46.9 | 5.7 | 8.5 |
| 12 | - | 2.5 | 5.5 | 11.6 | 38.1 | 4.6 | 6.9 |
| 12.7 | 1/2" | 2.5 | 5.5 | 10.4 | 34.1 | 4.1 | 6.2 |
| 14 | 9/16" | 5 | 11 | 17.0 | 55.8 | 3.4 | 5.1 |
| 16 | 5/8" | 5 | 11 | 13.2 | 43.3 | 2.6 | 3.9 |
| 17.5 | - | 5 | 11 | 11.9 | 39.0 | 2.4 | 3.5 |
| 18 | 11/16" | 5 | 11 | 10.6 | 34.8 | 2.1 | 3.2 |
| 19 | 3/4" | 5 | 11 | 10.3 | 33.8 | 2.1 | 3.1 |
| 22 | 7/8" | 5 | 11 | 6.9 | 22.6 | 1.4 | 2.1 |
| 25.5 | 1" | 5 | 11 | 5.3 | 17.4 | 1.1 | 1.6 |



- The weight per meter and the packaging weight may have a tolerance of ±10%. Other sizes and packaging options are available on request.

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