



# GRAPHITE PACKING GR8800R

## Composition

PAN yarns nickel-alloy wire  
Graphite Powder  
Passive Inhibitor of Corrosion


## Characteristics

GR8800R is a product with excellent performance, made with PAN graphite yarn, ensuring high-level performance in all industrial applications, except for strongly oxidizing fluids. One of the main features of GR8800R is its high elastic recovery that does not regress with aging, allowing the product to maintain its sealing properties over time, ensuring long-lasting durability and constant safety. Additionally, GR8800R has been specially impregnated with a passive corrosion inhibitor that preserves the stems from corrosion. Thanks to these attributes, GR8800R is a high-quality product that combines excellent performance with safety characteristics.

## Applications

Carbograph GR8800R is the ideal gasket for service valves used in high-temperature industrial steam, fluid, and gas applications. Thanks to its versatility, achieved through the use of PAN yarn, this packing can be successfully used with all chemicals except for highly oxidizing ones, and is one of the easiest and fastest solutions to install. However, it is recommended to avoid using this gasket with combustion gas and hot air over 450°C. With Carbograph GR8800R, you can ensure maximum safety and durability for your industrial valves.

## Tech Data

|   | P bar | lbf/in <sup>2</sup> | Vm/S | f/pm | pH     | T °C             | T °F              |
|---|-------|---------------------|------|------|--------|------------------|-------------------|
|  | 300   | 4500                | 1    | 200  | 0 ÷ 14 | -100 ÷ 450 / 650 | -150 ÷ 840 / 1200 |

- Never use the product to the maximum temperature and pressure associated. Consult the manufacturer for further information
- The peak temperature can be sustained for short exposures
- With weakly oxidizing agents and hot air the temperature must be limited to 450 °C
- With steam and non-oxidizing fluids the temperature must be limited to 650 °C
- Graphite and carbon cannot be used with oxidizing fluids



## Graphite Packing GR8800R

The Carrara graphite gland packing product range includes items made with all available graphite yarns, which, according to ASTM F2191 classification, are Type I—Continuous yarn, Type II—Staple yarn, and Type III—Flexible yarn. All graphite gland packings are protected with passive or active corrosion inhibitors (Grade A—Treated with corrosion inhibitor), although untreated gland packings (Grade B—No corrosion inhibitor) are available on demand. The performer and premium grade product ranges include Class 2 items, while the Industrial grade product range offers Class 1 products. Carrara graphite gland packings are specialized for each application, and a proper selection of the item allows for maximizing the sealing performance while reducing the component management costs.



The information in this publication and otherwise provided to users is based on experience and is provided to the best of our current knowledge. Due to many factors which are beyond our knowledge and control affecting the use of the products, no warranties are given or are to be held implied with respect to such information. The operating limits shown in this publication do not constitute a statement that these values can be applied simultaneously. Do not use the product at the associated maximum temperature and pressure values. The maximum temperature can be sustained for short exposures in particular conditions. Specifications are subject to change without notice.

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| size mm | size inch | kg/box | lbs/box | mt/box | ft/box | mt/kg | ft/lbs |
|---------|-----------|--------|---------|--------|--------|-------|--------|
| 3       | 1/8       | 1      | 2.2     | 85.5   | 280    | 85.5  | 127.3  |
| 4       | -         | 1      | 2.2     | 48.1   | 158    | 48.1  | 71.6   |
| 5       | 3/16      | 1      | 2.2     | 30.8   | 101    | 30.8  | 45.8   |
| 6       | -         | 2.5    | 5.5     | 53.4   | 175    | 21.4  | 31.8   |
| 6.5     | 1/4       | 2.5    | 5.5     | 45.5   | 149    | 18.2  | 27.1   |
| 8       | 5/16      | 2.5    | 5.5     | 30     | 99     | 12    | 17.9   |
| 9.5     | 3/8       | 2.5    | 5.5     | 21.3   | 70     | 8.5   | 12.7   |
| 10      | -         | 2.5    | 5.5     | 19.2   | 63     | 7.7   | 11.5   |
| 11      | 7/16      | 2.5    | 5.5     | 15.9   | 52     | 6.4   | 9.5    |
| 12      | -         | 2.5    | 5.5     | 13.4   | 44     | 5.3   | 8      |
| 12.7    | 1/2       | 2.5    | 5.5     | 11.9   | 39     | 4.8   | 7.1    |
| 14      | 9/16      | 5      | 11      | 19.6   | 64     | 3.9   | 5.8    |
| 16      | 5/8       | 5      | 11      | 15     | 49     | 3     | 4.5    |
| 17.5    | 11/16     | 5      | 11      | 12.6   | 41     | 2.5   | 3.7    |
| 18      | -         | 5      | 11      | 11.9   | 39     | 2.4   | 3.5    |
| 19      | 3/4       | 5      | 11      | 10.7   | 35     | 2.1   | 3.2    |
| 22      | 7/8       | 5      | 11      | 7.9    | 26     | 1.6   | 2.4    |
| 25.5    | 1         | 5      | 11      | 5.9    | 19     | 1.2   | 1.8    |

- The weight per meter and the packaging's weight may have a tolerance of +/- 10%. Other sizes and packaging are available on demand.



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