



# GRAPHITE PACKING GR8800

## Composition

PAN graphite yarns  
Graphite Powder  
Passive Inhibitor of Corrosion




## Characteristics

The GR8800 gland packing is a high-quality solution for multiple industrial applications. Thanks to its three-phase impregnation with graphite powder and inorganic corrosion inhibitor, the gland packing is able to minimize the risk of stem corrosion and ensure high resistance to high temperatures. The PAN graphite yarn used in the gland packing also offers great elastic recovery that does not regress with aging, ensuring exceptional performance in all industrial applications, except those that involve the use of highly oxidizing fluids.

## Applications

GR8800 is a high-quality graphite suitable for multiple applications, such as industrial valves for steam, hydrocarbons, and petrochemical products, pumps for boiler feedwater, and soot blowers. Additionally, it can also be used with heat transfer oils. However, the use of this graphite should be avoided in applications involving strong oxidizing agents or in the presence of exhaust gases or air above 450°C, as its efficiency is compromised under such conditions. In general, GR8800 represents a reliable and efficient choice for numerous industrial applications where high-quality and resistant materials are required.

## Tech Data

|   | P bar | lbf/in2 | Vm/S | f/pm | pH     | T°C              | T°F               |
|---|-------|---------|------|------|--------|------------------|-------------------|
|  | 300   | 4500    | 1    | 200  | 0 ÷ 14 | -100 ÷ 450 / 650 | -150 ÷ 840 / 1200 |
|  | 20    | 300     | 2    | 400  |        |                  |                   |
|  | 10    | 150     | 10   | 2000 |        |                  |                   |

- 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 GR8800

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, as well as any additional information provided to users, is based on experience and is shared to the best of our current knowledge. However, due to numerous factors beyond our knowledge and control that may affect the use of these products, no warranties are provided or implied regarding this information. The operating limits presented in this publication do not imply that these values can be applied simultaneously. Do not use the product at the maximum temperature and pressure values simultaneously. The maximum temperature is suitable only for short-term exposure under specific conditions. Specifications are subject to change without prior notice. The picture in the DS may not accurately depict the exact color and/or markings of the product.

 **CARRARA**  
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# GRAPHITE PACKING GR8800

| sezione mm | sezione inch | kg/box | lbs/box | mt/box | ft/box | mt/kg | ft/lbs |
|------------|--------------|--------|---------|--------|--------|-------|--------|
| 3          | 1/8"         | 1      | 2.2     | 100.0  | 328.1  | 100.0 | 149.0  |
| 4          | -            | 1      | 2.2     | 50.0   | 164.0  | 50.0  | 74.5   |
| 5          | 3/16"        | 1      | 2.2     | 25.0   | 82.0   | 25.0  | 37.2   |
| 6          | -            | 2.5    | 5.5     | 50.0   | 164.0  | 20.0  | 29.8   |
| 6.5        | 1/4"         | 2.5    | 5.5     | 41.7   | 136.8  | 16.7  | 24.8   |
| 8          | 5/16"        | 2.5    | 5.5     | 30.1   | 98.8   | 12    | 17.9   |
| 9.5        | 3/8"         | 2.5    | 5.5     | 20.8   | 68.2   | 8.3   | 12.4   |
| 10         | -            | 2.5    | 5.5     | 19.2   | 63.0   | 7.7   | 11.4   |
| 11         | 7/16"        | 2.5    | 5.5     | 15.6   | 51.2   | 6.3   | 9.3    |
| 12         | -            | 2.5    | 5.5     | 13.2   | 43.3   | 5.3   | 7.9    |
| 12.7       | 1/2"         | 2.5    | 5.5     | 11.9   | 39.0   | 4.8   | 7.1    |
| 14         | 9/16"        | 5      | 11      | 20.0   | 65.6   | 4.0   | 6.0    |
| 16         | 5/8"         | 5      | 11      | 14.7   | 48.2   | 2.9   | 4.4    |
| 17.5       | -            | 5      | 11      | 13.2   | 43.3   | 2.6   | 3.9    |
| 18         | 11/16"       | 5      | 11      | 11.9   | 39.0   | 2.4   | 3.5    |
| 19         | 3/4"         | 5      | 11      | 10.6   | 34.8   | 2.1   | 3.2    |
| 22         | 7/8"         | 5      | 11      | 8.6    | 28.2   | 1.7   | 2.6    |
| 25.5       | 1"           | 5      | 11      | 6.7    | 22.0   | 1.3   | 2.0    |

- 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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