



GRAPHITE PACKING GR8048A

Composition

Flexible expanded graphite strands braided together PAN carbon yarns
Impregnated with graphite powder and inhibitor of corrosion



Characteristics

The GR8048A packing is the ideal solution to ensure maximum sealing of industrial valves and pumps, thanks to the combination of carbon fiber and expanded mineral graphite yarns. The special solution based on pure graphite powder and corrosion inhibitor applied to the packing minimizes fugitive emissions, increasing the sealing level. The GR8048A packing is highly elastic and reliable at high temperatures, and thanks to the graphite yarn with continuous PAN carbon fibers, it offers great resistance against extrusion and wear. Easy to install in the stuffing box, GR8048A packing is the ideal solution for multiple industrial applications.

Applications

The graphite packing GR8048A is equipped with a double yarn, making it particularly versatile and suitable for various industrial applications. Thanks to its high elasticity and reliability at high temperatures, it can be used in high-pressure and high-temperature static services, such as in sealing valves and pumps in chemical and energy processes. Moreover, thanks to its resistance to extrusion and wear, it can be successfully applied in dynamic services, such as those of soot blowers and diathermic oil systems. The graphite packing GR8048A can be used with all non-oxidizing fluids compatible with graphite, ensuring a high level of sealing and minimizing fugitive emissions. The graphite packing GR8048A represents the ideal solution for those seeking a versatile, reliable, and resistant product to use in various industrial applications, ensuring high performance in every operational context.

Tech Data

| | P bar | Ibf/in ² | Vm/S | f/pm | pH | T°C | T°F |
|--|-------|---------------------|------|------|--------|------------------|-------------------|
| | 300 | 4500 | 1 | 200 | | | |
| | 20 | 300 | 2 | 400 | 0 ÷ 14 | -100 ÷ 450 / 650 | -150 ÷ 840 / 1200 |
| | 40 | 600 | 25 | 5000 | | | |

- Never use the product at its maximum rated temperature and pressure. Consult the manufacturer for further information.
- The peak temperature can be sustained only for short exposure periods.
- 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.
- Flexible graphite and carbon yarns shall not be used with oxidizing fluids.



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 accurately represent the product's color and/or marking.

Graphite Packing GR8048A

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.


GLOBAL SEALING SOLUTIONS

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



GRAPHITE PACKING GR8048A

| sezione mm | sezione inch | kg/box | lbs/box | mt/box | ft/box | mt/kg | ft/lbs |
|------------|--------------|--------|---------|--------|--------|-------|--------|
| 6.5 | 1/4" | 2.5 | 5.5 | 62.5 | 205.1 | 25.0 | 37.2 |
| 8 | 5/16" | 2.5 | 5.5 | 41.7 | 136.8 | 16.7 | 24.8 |
| 9.5 | 3/8" | 2.5 | 5.5 | 31.3 | 102.7 | 12.5 | 18.7 |
| 10 | - | 2.5 | 5.5 | 27.8 | 91.2 | 11.1 | 16.6 |
| 11 | 7/16" | 2.5 | 5.5 | 15.9 | 52.2 | 6.4 | 9.5 |
| 12 | - | 2.5 | 5.5 | 19.2 | 63.0 | 7.7 | 11.4 |
| 12.7 | 1/2" | 2.5 | 5.5 | 17.2 | 56.4 | 6.9 | 10.2 |
| 14 | 9/16" | 5 | 11 | 28.3 | 92.8 | 5.7 | 8.4 |
| 16 | 5/8" | 5 | 11 | 21.7 | 71.2 | 4.3 | 6.5 |
| 17.5 | - | 5 | 11 | 19.3 | 63.3 | 3.9 | 5.7 |
| 18 | 11/16" | 5 | 11 | 17.2 | 56.4 | 3.4 | 5.1 |
| 19 | 3/4" | 5 | 11 | 15.5 | 50.9 | 3.1 | 4.6 |
| 22 | 7/8" | 5 | 11 | 11.6 | 38.1 | 2.3 | 3.5 |
| 25.5 | 1" | 5 | 11 | 8.9 | 29.2 | 1.8 | 2.7 |



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



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