



GRAPHITE PACKING GR8000R

Composition

PAN spun graphite yarns nickel-alloy wire
Colloidal Graphite


Characteristics

The graphite gland packing GR8000R is the ideal choice for applications that require superior wear resistance, thanks to its Nickel-Alloy metal reinforcement. The reinforced continuous graphite PAN fiber yarn guarantees superior performance in all static sealing applications in industrial settings. The GR8000R gland packing ensures high reliability, safety, and an excellent level of quality thanks to its ability to maintain a high elastic recovery over time. The GR8000R gland packing is suitable for use with all industrial fluids and gases except for strong oxidizers. Thanks to the metal reinforcement, the GR8000R gland packing is able to withstand higher pressures than the standard GR8000 version. Its flexibility and ease of installation make it a popular choice among industry professionals.

Applications

The graphite packing GR8000R is highly versatile and suitable for all static high-temperature applications in various industrial sectors. Thanks to its ability to withstand various industrial fluids and gases, it can be used with almost all types of products except for strong oxidants. The GR8000R packing is also available in the GR8000 version without Nickel-Alloy metal reinforcement, offering the possibility to choose between two options depending on the specific needs of the application. Its high resistance and reliability make it ideal for a wide range of applications, ensuring excellent and long-lasting performance over time.

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

- 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 GR8000R

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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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	33.3	109.3	33.3	49.6
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	27.8	91.2	11.1	16.6
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	13.4	44.0	5.3	8.0
12.7	1/2"	2.5	5.5	11.9	39.0	4.8	7.1
14	9/16"	5	11	19.2	63.0	3.8	5.7
16	5/8"	5	11	13.9	45.6	2.8	4.1
17.5	-	5	11	12.5	41.0	2.5	3.7
18	11/16"	5	11	11.1	36.4	2.2	3.3
19	3/4"	5	11	9.8	32.2	2.0	2.9
22	7/8"	5	11	7.9	25.9	1.6	2.4
25.5	1"	5	11	6.2	20.3	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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