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.

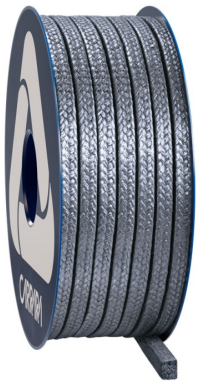
Applications

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 at its maximum rated temperature and pressure simultaneously. Consult the manufacturer for further information.
- The peak temperature can be sustained only for short exposure periods.
- When used with weakly oxidizing agents or hot air, the temperature shall not exceed **450 °C**.
- When used with steam or non-oxidizing fluids, the temperature shall not exceed **650 °C**.
- Flexible graphite and carbon yarn shall not 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.

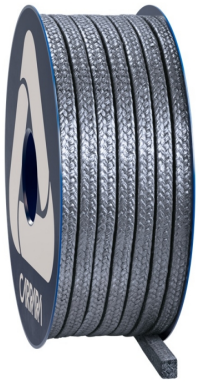
The information provided in this publication, as well as that supplied to users in other forms, is based on our experience and communicated according to the best knowledge available. However, since numerous factors beyond our knowledge and control may influence the use of the products, no warranty, explicit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

CARRARA® GLOBAL SEALING SOLUTIONS

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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 weight may have a tolerance of ±10%. Other sizes and packaging options are available on request.

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