



# GRAPHITE PACKING GR8888

## Composition

Rayon graphite yarns high carbon content  $C > 99,50\%$   
 Impregnated with colloidal graphite  
 Passive inhibitor of corrosion

## Characteristics

GR8888 is a special Rayon-based high carbon content graphite packing. The yarn is highly flexible, elastic and completely insensitive to thermal cycles, resisting to the thermal stresses without damage. In addition, all threads are impregnated with a special mixture of colloidal graphite enriched with a corrosion inhibitor to ensure maximum stem's protection. GR8888 packing maintains its mechanical properties and its original shape even under conditions of high thermal stress, without undergoing any loss of weight or volume. Thanks to these characteristics, GR8888 proves to be an ideal choice for applications that require reliable and durable sealing performance over time.

## Applications

The GR8888 packing has been designed to withstand the most challenging environmental conditions, making it a versatile and reliable solution for valves and pumps in multiple industrial applications. The GR8888 is suitable for all fluids, except strong oxidants, combustion gases, and hot air above  $450^{\circ}\text{C}$ . The packing withstands high temperatures without losing weight and volume, maintaining high elastic and mechanical properties, making it an ideal choice for demanding operating environments. In summary, the GR8888 packing represents an excellent solution for ensuring sealing and reliability in various industrial applications.

## Tech Data

	P bar	lbf/in <sup>2</sup>	Vm/S	f/pm	pH	T °C	T °F
	200	3000	1	200	0 ÷ 14	-100 ÷ 450 / 650	-150 ÷ 840 / 1200
	20	300	3	600			
	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  $450^{\circ}\text{C}$
- With steam and non-oxidizing fluids the temperature must be limited to  $650^{\circ}\text{C}$
- Graphite and carbon cannot be used with oxidizing fluids



## Graphite Packing GR8888

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**  
 GLOBAL SEALING SOLUTIONS

**Carrara S.p.A.**,  
 Via Provinciale 1/E - 25030 Adro - BS - Italia  
 tel. +39 030 7451121 / fax +39 030 7451130  
[www.carrara.it](http://www.carrara.it) - [info@carrara.it](mailto:info@carrara.it)



# GRAPHITE PACKING GR8888

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	33.3	109.3	33.3	49.6
6	-	2.5	5.5	75.8	248.7	30.3	45.2
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	22.7	74.5	9.1	13.5
12	-	2.5	5.5	19.2	63.0	7.7	11.4
12.7	1/2"	2.5	5.5	16.7	54.8	6.7	10.0
14	9/16"	5	11	27.8	91.2	5.6	8.3
16	5/8"	5	11	21.7	71.2	4.3	6.5
17.5	-	5	11	19.2	63.0	3.8	5.7
18	11/16"	5	11	16.7	54.8	3.3	5.0
19	3/4"	5	11	15.2	49.9	3.0	4.5
22	7/8"	5	11	12.8	42.0	2.6	3.8
25.5	1"	5	11	10.0	32.8	2.0	3.0

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



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**  
GLOBAL SEALING SOLUTIONS

**Carrara S.p.A.**,  
Via Provinciale 1/E - 25030 Adro - BS - Italia  
tel. +39 030 7451121 / fax +39 030 7451130  
[www.carrara.it](http://www.carrara.it) - [info@carrara.it](mailto:info@carrara.it)