



# GRAPHITE PACKING PGT1 GR8822

## Composition

Made from PAN graphite yarn and expanded with impregnation of pure graphite and special components, the GR8822 gland packing is designed to ensure reliable and long-lasting sealing even in the most extreme conditions. Its high-quality composition ensures superior resistance to weathering, high temperatures, and aggressive chemicals.

## Characteristics

Key features of the GR8822 gland packing include high flexibility and remarkable compression resistance, ensuring effective sealing even under high pressures. Thanks to its impregnation with pure graphite and special components, it offers low leakage tendency and long operational life. It is designed to withstand corrosive fluids and adverse environmental conditions, providing reliable and consistent performance over time.

## Applications

The GR8822 gland packing is ideal for a wide range of industrial applications, including steam, gas, and chemical and petroleum liquids services. It is commonly used as gland packing for industrial valves, ensuring effective and durable sealing in high-temperature and pressure environments. It is suitable for use with most industrial fluids, except strong oxidants, offering a versatile and reliable solution for stem sealing needs in the industrial sector.



## Graphite Packing PGT1 GR8822

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.

## Tech Data

	P bar	lbf/in2	Vm/S	f/pm	pH	T°C	T°F
	200	3000	1	200	0 ÷ 14	-100 ÷ 450 / 650	-150 ÷ 840 / 1200
	100	1500	1	200			

- 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



The information in this publication and otherwise provided to users is based on experience and is provided to the best of our current knowledge. Due to many factors which are beyond our knowledge and control affecting the use of the products, no warranties are given or are to be held implied with respect to such information. The operating limits shown in this publication do not constitute a statement that these values can be applied simultaneously. Do not use the product at the associated maximum temperature and pressure values. The maximum temperature can be sustained for short exposures in particular conditions. Specifications are subject to change without notice.

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size mm	size inch	kg/box	lbs/box	mt/box	ft/box	mt/kg	ft/lbs
3,0	1/8	1,0	2,2	85,5	280,4	85,5	127,3
4,0	-	1,0	2,2	48,1	157,7	48,1	71,6
5,0	3/16	1,0	2,2	30,8	100,9	30,8	45,8
6,0	-	2,5	5,5	53,4	175,3	21,4	31,8
6,5	1/4	2,5	5,5	45,5	149,3	18,2	27,1
8,0	5/16	2,5	5,5	30,0	98,6	12,0	17,9
9,5	3/8	2,5	5,5	21,3	69,9	8,5	12,7
10,0	-	2,5	5,5	19,2	63,1	7,7	11,5
11,0	7/16	2,5	5,5	15,9	52,1	6,4	9,5
12,0	-	2,5	5,5	13,4	43,8	5,3	8,0
12,7	1/2	2,5	5,5	11,9	39,1	4,8	7,1
14,0	9/16	5,0	11,0	19,6	64,4	3,9	5,8
16,0	5/8	5,0	11,0	15,0	49,3	3,0	4,5
17,5	11/16	5,0	11,0	12,6	41,2	2,5	3,7
18,0	-	5,0	11,0	11,9	38,9	2,4	3,5
19,0	3/4	5,0	11,0	10,7	35,0	2,1	3,2
22,0	7/8	5,0	11,0	7,9	26,1	1,6	2,4
25,5	1	5,0	11,0	5,9	19,4	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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