

## **GRAPHITE PACKING GR8048**

#### **Composition**

PAN carbon and expanded graphite yarn Graphite powder impregnation Corrosion inhibitor

#### **Characteristics**

The GR8048 braid 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 braid minimizes fugitive emissions, increasing the sealing level. The GR8048 braid is highly elastic and reliable at high temperatures, and thanks to the graphite yarn with continuous PAN carbon fibers on the corners, it offers great resistance against extrusion and wear. Easy to install in the stuffing box, the expanded mineral graphite GR8048 braid is the ideal solution for multiple industrial applications.

#### **Applications**

The graphite packing GR8048 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 hightemperature 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 GR8048 can be used with all nonoxidizing fluids compatible with graphite, ensuring a high level of sealing and minimizing fugitive emissions. The graphite braid GR8048 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	lbf/in2	Vm/S	f/pm	рН	т∘с	T°F		
產	300	4500	1	200					
F	10	150	2	400	0 ÷ 14	-100 ÷ 450 / 650	-150 ÷ 840 / 1200		
<b>®</b>	10	150	15	3000					

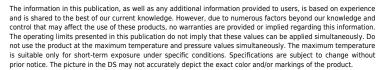
- Never use the product to the maximum temperature and pressure associated. Consult the manufacturer for further information and the product of the maximum temperature and pressure associated.
- The peak temperature can be sustained for short exposures
- With weakly oxidizing agents and hot air the temperature must be limited to 450  $^\circ$  C With steam and non-oxidizing fluids the temperature must be limited to 650  $^\circ$  C
- Graphite and carbon cannot be used with oxidizing fluids



### **Graphite Packing GR8048**

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.









# **GRAPHITE PACKING GR8048**

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	62.5	205.1	25.0	37.2
6.5	1/4"	2.5	5.5	50.0	164.0	20.0	29.8
8	5/16"	2.5	5.5	35.7	117.1	14.3	21.3
9.5	3/8"	2.5	5.5	25.0	82.0	10.0	14.9
10	-	2.5	5.5	20.8	68.2	8.3	12.4
11	7/16"	2.5	5.5	19.2	63.0	7.7	11.4
12	-	2.5	5.5	15.6	51.2	6.3	9.3
12.7	1/2"	2.5	5.5	13.9	45.6	5.6	8.3
14	9/16"	5	11	22.7	74.5	4.5	6.8
16	5/8"	5	11	17.9	58.7	3.6	5.3
17.5	-	5	11	14.5	47.6	2.9	4.3
18	11/16"	5	11	12.5	41.0	2.5	3.7
19	3/4"	5	11	11.2	36.7	2.2	3.3
22	7/8"	5	11	7.9	25.9	1.6	2.4
25.5	1"	5	11	7.7	25.3	1.5	2.3



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



