

GRAPHITE PACKING GR8807 INCOBRAID®

Composition

P.A.N. carbon yarns with nickel-alloy micro-filament Pure colloidal graphite Inorganic inhibitor of corrosion

Characteristics

GR8807 INCOBRAID® is made with discontinuous PAN carbon yarns, reinforced with discontinuous metallic micro-filaments. The sealing rings are highly elastic due to a special impregnation process that is carried out in three stages: on each yarn, during braiding, and on the packing body with a mixture rich in inorganic corrosion inhibitors and colloidal graphite. GR8807 INCOBRAID® is a special packing that exhibits extraordinary elastic recovery and excellent extrusion resistance. It has been designed for H.P./H.T. valves that are frequently operated in steam, hydrocarbon, and chemical service.

Applications

GR8807 INCOBRAID® is an excellent material for sealing industrial valves under high temperature and high-pressure conditions. Specifically, it is particularly suitable for use in power plants, refineries, and petrochemical plants, where extreme conditions require materials that can deliver superior performance. Graphite packings are characterized by their excellent elasticity, which enables them to adapt to changes in pressure and temperature over time without compromising the seal of the system.

Tech Data

		P bar	lbf/in2	Vm/S	f/pm	рН	T°C	T°F	
Ē	Ę	300	4500	1	200	0 . 14	-100 ÷ 450 / 650	150 - 040 / 1200	
F	P	80	1200	1	200	0 ÷ 14		-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 $^\circ$ C
- With steam and non-oxidizing fluids the temperature must be limited to 650 ° C Graphite and carbon cannot be used with oxidizing fluids



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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.







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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	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	31.3	102.7	12.5	18.7
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's weight may have a tolerance of +/- 10%. Other sizes and packaging are available on demand.



