



# 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/in <sup>2</sup>	Vm/S	f/pm	pH	T°C	T°F
	300	4500	1	200	0 ÷ 14	-100 ÷ 450 / 650	-150 ÷ 840 / 1200
	80	1200	2	300			

- 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



## Graphite Packing GR8807 INCOBRAID®

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 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.

**CARRARA**  
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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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