

Grafopak IGP 600 packing

IGP gland packing is made of flexible graphite with high purity and homogeneous structure. Because the Grafopak IGP is specially designed to work in valve or high pressure fittings seals, its structure includes additional Inconel alloy reinforcements with a sacrificial anode protection system.

Properties

Graphite has good temperature and pressure resistance unattainable with most traditional sealing materials. The reinforced structure of the IGP packing prevents stress relaxation and packing loss from the stuffing box. The sacrificial anode system minimises the risk of corrosion and excessive wear, especially in the susceptible to these risk of 300 and 400 series stainless steels.

Applications

Grafopak IGP graphite packing is designed for repair and service of industrial valves and power fittings, it is perfect as a replacement for GDR rings formed of pure graphite. IGP packing can be used up to 600°C for reducing media and up to 550°C for steam. The use of IGP packing and its proper montage ensures the required tightness, even the highest API standard is required.



The IGP 600 packing is a perfect replacement of GDR rings from pure graphite, it ensures reliable tightness, even the highest API standard is required.

Operating parameters - IGP 600

	Scope of applications			
	Temperature	-100 to 600°C		
	p _{max} (bar)	200	n/a	300
	pH range	1 - 14 pH		
	V _L (m/s)	-	n/a	2
Operating factors and use limits		Ratio pV - static applications only. Average density ρ ~ 1,15 g/cc Minimal bush hardness ~ 40 HRC		

Range of sizes and packaging

Grafopak packing is delivered on 2,5 kg spools for small profiles up to S8 (square profile 8 x 8 mm) and on 5 kg or 20 kg spools for sizes S10 and larger. The spools are packed in 20 kgs collective boxes. Bigger orders are delivered on pallet with 16 or 20 boxes, weight 320 or 400 kgs net.

Square profiles in the main range of sizes from S4 to S30 with tolerance ±10% are available in quick delivery directly from stock. Rectangular, round or strip profiles are manufactured to order, according to the customer's requirements. The table below presents the kind of packing, conversion factors and average roll lengths on unit packages.



Square profiles [mm]	S4	S5	S6	S8	S10	S12	S14	S16	S18	S20	S22	S25	S30
Linear mass weight [g/m]	25	36	50	83	125	165	230	290	380	460	560	720	1000
Spool type	2,5 kg				5 kg				5 also 20 kg				
Converter to meters [m]	40	28	20	12	8	6	4,4	3,4	2,6	2,2	1,8	1,4	1
Roll length [m]	100	70	50	30	40	30	22	17	13	11	36	28	20