

HYGRA450 - GLAND PACKING GRAPHITE

Construction:

The Grafopak packing is made of expanded graphite on high level of purity 99% with the special active inhibitor system. The inhibitor protect all metal equipment against a galvanic corrosion risk.

Properties:

Extremely high chemical resistance and good thermal conductance - on level most of metals. Moreover it has excellent self-lubricating properties, also in dry conditions (without media leak) and after dried other added lubricants. Completely resistant on heatstrokes and risk of overheating the seal in stuffing box.

Applications:

The dynamic seals in glands of centrifugal pumps for water, chemicals and petrochemicals, especially for high speed shaft pumps with an exception of strong oxidants and abrasion liquids. However, the pure graphite, as half-hard and breakable material needs special tools for montage and high skills also needs good condition of the stuffing box.



Operating parameters - Grafopak GRA 450				
	Scope of application			
	Temperature	-200 do 450 °C		
	p _{max} (bar)	40	30	200
	pH range	0 do 14 pH		
	V _L (m/s)	40	1	2
	Operating factors	pV max ~ 600 ρ range 1,1-1,3 g/cm ³		



Packaging:

The packing is delivered on spools in carton box in small size 2,5kgs and bigger one 5kgs, eventually on a mass spool 25kgs. The spools are packaging in summary carton with 20kgs. The bigger orders are delivered on standard EPAL pallet with net quantity 480kgs.

Range of sizes:

General sizes in round and square profile are available on stock. The tables show ratio for evaluation demand in kilograms and minimal length on standard spools. We provide this material in trapezium and rectangular profiles too and in tape form with self-adhesive layer.

Round [mm]	D6	D8	D10	D12	D14	D16	D20	D25
Ratio m/kg	26	15,2	10	7	5,2	4	2,5	1,8
Spool type	2,5 kgs		5 kgs					
Min. length m	65	38	50	35	26	20	12,5	9



Square [mm]	S3	S4	S5	S6	S7	S8	S9	S10	S12	S14	S15	S16	S18	S20	S22	S25	S30	S35	S40	
Ratio m/kg	80	48	31	21	15,6	12	9,6	8	5,6	4,2	3,6	3,2	2,6	2	1,8	1,4	1	0,72	0,56	
Spool type	2,5 kgs								5 kgs						25 kgs					
Min. length m	200	120	77	53	39	30	24	40	28	21	18	16	13	10	45	35	25	18	14	