



ISG 450 - Flexible Graphite Packing

Construction:

The packing is made of expanded graphite on 99% level of purity with active inhibitor addition, which completely protects metal equipment against a galvanic corrosion risk.

Properties:

Extremely high chemical resistance and good thermal conductance - on level mosts 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 stuffing boxes seals of centrifugal pumps for water, chemicals and petrochemicals with an exception of strong oxidants and abrasion liquids.

Fields of applications

It is self-lubricant stuff, no wear of shaft, high thermal resistance. High speed dynamic seals of water and pure media.



	scope of application			
	temperature	-200 do 450 °C		
	p _{max} (bar)	40	-	200
	pH range	0 do 14 pH		
	V _L (m/s)	30	-	4
	exploitation factors	pV max ~ 600 ρ ~ 1,2 g/cm ³		

Construction materials	Flexible graphite + inhibitor
Minimal temperature [°C]	-200
Maximal temperature [°C]	450
Pressure in rotating [bar]	40
Rotatory linear speed [m/s]	40
Pressure reciprocating [bar]	30
Piston linear speed [m/s]	1
Pressure in valves [bar]	200
Coefficient pV [bar*m/s]	600
Chemical resistance [pH]	0-14
Min. sleeve hardness [HRC]	-
Average density [g/cm³]	1,1 - 1,3