






TECHNICAL DATA SHEET - CST 2240/04 - 08/08/2014

GR 80SGR OXY

				
T	°C	-200 +450 (1) / +650 (2)		
p	bar	500(5)	100	
V	m/s	1	1,5	
pH		0 ÷ 14(3)		



- (1) Temperature has to be lower than 450°C with mild oxidizers and hot air
- (2) With Steam
- (3) Avoid the strong oxidizers
- (4) Avoid the product's use at the maximum temperature and pressure associated values without consult the manufacturer
- (5) With pure oxygen the conditions have to be limited at the temperature mentioned in the BAM report no. 2-952/2014E

Composition

Pure flexible graphite strands with knitted Inconel® reinforcement

Features

GR80SGR OXY is braided with pure flexible graphite strands. This packing guarantees a very low weight loss (requirement EN 14772, section 6.7) and meets the BAM requirement (report no. 2-952/2014E).

Behaviour with pure oxygen:

- Up to temperature of 500°C no ignition of the graphite packing has been detected in five tests with final oxygen pressure of 262 bar.
- At the temperature of 225°C and pressure of 260 bar the graphite packing proved to be aging resistant.
- Up to temperature of 500°C no ignition of AGED graphite packing GR80SGR OXY has been detected in five tests with final oxygen pressure of 262 bar.
- This shows that as the non-aged sample also the aged sample did not ignite at the temperature of 500°C

Applications

GR80SGR OXY is specific for Oxygen Services of Industrial Valves.