

1. Technical characteristics

Construction	Pressed ring, cut, uncut, shaped, self-sealing graphite ring
Material	Exp. graphite foil – graphite content 98,00 - 99,89%
Ash content	Max. 2%

2. Physical-mechanical properties obligatory for delivery and acceptance

	Specific unit	Nominal value	Tested to standard
Dimension of the ring	mm	od Ø12 do Ø370	
Tolerance of dimension	mm	see TP 62-077-16, tab. 1 and 8	
Density of ring	g.cm ⁻³	1,2 – 1,8	DIN 28 090-2
Heat loss on 600°C	%	max. 5	Q-203-94

3. Other physical-mechanical properties

		Specific unit	Nominal value
Operating temperature	Steam	°C	-200 to +550
	Oxidation gases		-200 to +450
	Reduction gases		-200 to +3000
Operating pressure	Valve	bar	500
	Piston pump		30
	Centrifugal pump		-
Max operating velocity	Piston pump	m.s ⁻¹	2
	Centrifugal pump		-
Chemical resistance		pH	0 - 14

4. Chemical resistance table

Good resistance	Medium resistance
Amine, nitrile	Abrasive slurries
Medium acid	Strong acid
Weak acids	Strong alkali
Oxygen (up to 350°C)	Bitumen
Neutral solution	
Mineral oils	
Syntetic oils	
Steam	
Inert gases	
Acid gases	
Solvents	
Volatile hydrocarbons	
Water	
Hydrogen	
Weak alkalis	