

1. Technical characteristics

Construction	Square braided cord
Material	Flexible graphite with corrosion inhibitor
Graphite purity	99,5%
Impregnate	---
Lubricate	---

2. Physical-mechanical properties obligatory for delivery and acceptance

	Specific unit	Nominal value	Tested to standard
Dimension of the cord	mm	∅ 4 till 30 mm see TP 62-061-16, tab. 1	
Tolerance of dimension	mm	see TP 62-061-16, tab. 2	

3. Other physical-mechanical properties

		Specific unit	Nominal value
Min operating temperature			- 220
Max. operating Temperature	Steam	°C	550
	Oxid. gases		450
	Inert gases		2000
Max operating pressure	Valve	bar	300
	Piston pump		100
	Centrifugal pump		20
Max operating velocity	Piston pump	m.s <sup>-1</sup>	2
	Centrifugal pump		10
Density		g.cm <sup>-3</sup>	1,2 ± 15%
Chemical resistance		pH	0 - 14

4. Chemical resistance table

Good resistance	Medium resistance
Amine, nitrile	Abrasive slurries
Medium acid	Strong acid
Acids	Strong alkali
Weak acids	Bitumen
Neutral solution	
Mineral oils	
Synthetic oils	
Stearns	
Inert gases	
Acid gases	
Solvents	
Volatile hydrocarbons	
Water	
Hydrogen	
Weak alkalis	