

1. Technical characteristics

Construction	Square braided cord
Material	Carbon fiber yarn
Impregnate	Graphite
Lubricate	Yes

2. Physical-mechanical properties obligatory for delivery and acceptance

	Specific unit	Nominal value	Tested to standard
Dimension of the cord	mm	∅ 4 till 35 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	°C	- 200	
Max. operating temperature	°C	Steam	+ 550
		Oxid.gases	+ 400
Max operating pressure	bar	Valve	200
		Piston pump	50
		Centrif.pump	30
Max.operat. velocity	m.s ⁻¹	Piston pump	-
		Centrif.pump	20
Density	g.cm ⁻³	1,2 ± 15%	
Chemical resistance	pH	0 – 14	

4. Chemical resistance table

Good resistance	Medium resistance
Volatile hydrocarbons	Abrasive slurries
medium acid	Strong acid
Weak acids	Acid gases
Mineral oils	Strong alkali
Synthetic oils	Bitumen
Neutral solution	Amine, nitrile
inert gases	
Air	
steams	
Weak alkalis	
solvents	
water	