

1. Technical characteristics

| | |
|-----------------|--|
| Construction | Square knitting 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 | ∅ 3 till 25 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 |
| | Inert gases | | 2000 |
| | Oxid. gases | | 450 |
| Max operating pressure | Valve | bar | 300 |
| | Piston pump | | 100 |
| | Centrifugal pump | | 20 |
| Max operating velocity | Piston pump | m.s ⁻¹ | 2 |
| | Centrifugal pump | | 10 |
| Density | | g.cm ⁻³ | 1,0-1,2 |
| 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 | |