



## Aramide- PTFE- Graphite- Packing



<b>Article description:</b>	P645/W
<b>Article forms:</b>	Rectangular or quadratic Zebra braid
<b>Preparations:</b>	Without any additionally preparation
<b>Materials:</b>	Graphite-filled PTFE multifilament fibres and aramid continuous fibres (p-aramid) with PTFE and lubricant additives (paraffin oil) alternately braided

### Mechanical properties:

- Good sliding properties and thermal conductivity
- Pressure resistant
- Aramid fibres are sensitive to UV radiation

### Thermal properties:

#### Aramid continuous fibres (p- aramid)

- Flammable, but self-extinguishing
- Max. continuous temperature 250 °C
- Short-term 300 °C possible

#### PTFE multifilament fibres

- Max. continuous temperature 250 °C
- Short-term 280 °C possible

### Chemical properties:

- Good resistance to solvents, fuels, lubricants, salt water, waste water, abrasive media (sand, sludge)
- Not resistant to highly concentrated acids and alkalis, alkali metals, fluorine compounds at high temperatures

### Applications:

Centrifugal and piston pumps, valves and mixers, agitators and reactors

### Application limits:

	p (bar)	v <sub>g</sub> (m/s)	pH-value	T (°C)
Pump	20	25,0	2-12	-100 to 250
Piston	250	3,0		
Valve	250	1,5		

**Dimensions:** 5 - 25 mm edge length quadratic or rectangular (tolerance +/- 10 %)

*The above information is based on the current state of our knowledge of the product and is made to the best of our knowledge and belief. A warranty claim cannot be derived from this information. All previous issues hereby lose their validity.*