



## Polyimide- PTFE- Graphite packing

**Article description:** P638

**Article forms:** Rectangular or quadratic  
Zebra braid

**Preparations:** Without any additionally preparation

**Materials:** Graphite-filled PTFE multifilament fibres and polyimide continuous filament fibres alternately



### Mechanical properties:

- Good sliding properties
- Pressure resistant

### Thermal properties:

#### Polyimide fibre

- Max. continuous temperature 230 - 260 °C
- Short-term 300 - 400 °C possible
- From 300 °C clear shrinking process

#### Graphite-filled PTFE multifilament fibre

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

### Chemical properties:

- Good resistance to organic solvents, fuels, lubricants, wastewater
- Polyimide fibres have good acid resistance
- Not resistant to highly concentrated 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	T (°C)
Pumps	25	20,0	0-12	-100 to 250
Pistons	250	2,0		
Valves	150	-		

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