



Aramid-PTFE-Graphite packing

Article description: P645

Article forms: Rectangular or quadratic

Preparations: Without any additionally preparation

Materials: Graphite-filled PTFE multifilament fibres (tread)
Aramid continuous yarn (p-aramid) with PTFE and lubricant additives (paraffin oil) on the edges and in the core

Mechanical properties:

- High pressure resistance
- Low friction coefficient
- 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 _g (m/s)	pH	T (°C)
Pumps	70	25,0	2-12	-100 to 250
Pistons	250	3,0		
Valves	250	1,5		

Dimensions: 7 - 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.