



Polyimide packing

Article description:	P637
Article forms:	Rectangular or quadratic
Preparations:	Without any additionally preparation
Materials:	Polyimide continuous filament, oiled



Mechanical properties:

- Good sliding properties
- Good, sometimes very good electrical insulation properties

Thermal properties:

- Max. continuous temperature 230 - 260 °C
- Short-term 300 - 400 °C possible
- from 300 °C shrinking process, by approaching the glass transition temperature ($T_g = 315$ °C)
- LOI = 38 → infusibility, high thermal stability and flame retardancy

Chemical properties:

- Good resistance to organic solvents, fuels, fats and oils, excellent acid resistance
- Not resistant to concentrated acids, bases, amines, hot water and water vapour

Applications:

Centrifugal and piston pumps, pumps, mixers, kneaders, agitators, filters, extruders, refiner, low pressure valves

Application limits:

	p (bar)	v_g (m/s)	pH	T (°C)
Pumps	20	15,0	0-12	-100 to 260
Pistons	60	2,0		
Valves	100	-		

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