

## Tefapak PUR 200 gland packing

The PUR 200 gland packing in white colour is made of 100% pure PTFE obtained through suspension polymerization. PTFE strands are expanded, oriented and then formed into an elastic yarn, which is the basic raw material for braiding of packing with square, rectangular and trapezoidal profiles.

### Properties

Tefapak PUR 200 packing based on PTFE has the highest chemical resistance among synthetic fibers, including resistance to strong oxidants and liquid oxygen as well as UV radiation. It is a neutral and sterile sealing material. In a limited temperature range up to 260°C it does not decompose or aging, it does not emit any substances and does not stain installations or media. Seals based on PUR 200 have approval of the FDA and what is more importantly the Certificate of Health Quality EU 10/2011 for contact with foodstuffs.

### Areas of applications

PUR 200 packing is designed for both gland packing of pumps, mixer plungers as well as static seals in the chemical, pharmaceutical and food industries. This packing is used in hygienic conditions and everywhere where certificate of health quality are required.



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### Operating parameters - PUR 200

	Scope of applications			
	Temperature	-200 to 260°C		
	p <sub>max</sub> (bar)	20	400	150
	pH range	0 - 14 pH		
	V <sub>L</sub> (m/s)	15	3	2
	Operating factors and use limits	Load ratio max pV ~ 150 bar·m/s Average density ρ ~ 1,4 g/cc Minimal bush hardness ~ 30 HRC		

### Range of sizes and packaging

Tefapak packing is delivered on 2,5 kg spools for small profiles up to S8 (square 8 x 8 mm) and on 5 kg or 20 kg spools for sizes S10 and larger. The spools are packed in 20 kgs collective boxes. Bigger orders are delivered on pallet with 16 or 20 boxes, weight 320 or 400 kgs net.

Square profiles in the main range of sizes from S4 to S30 with tolerance -5 / +10% are available in quick delivery directly from stock. Rectangular, round, trapezoidal or strip profiles are manufactured according to the customer's requirements. The table below presents the kind of packing, conversion factors and average roll lengths on unit packages. In addition, the following profiles are also available: S7, S9, S28, S35 and S40.



Square profiles [mm]	S4	S5	S6	S8	S10	S12	S14	S16	S18	S20	S22	S25	S30
Linear mass weight [g/m]	27	40	56	95	145	200	270	360	450	550	670	880	1250
Spool type	2,5 kg				5 kg				5 also 20 kg				
Converter to meters [m]	38	25	18	10,5	6,8	5	3,6	2,8	2,2	1,8	1,5	1,15	0,8
Roll length [m]	94	62	45	26	34	25	18	14	11	9	7,5	5,7	4