

XP 310 gland packing

Arapak XP hybrid packing is made by a ladder braid from aramid yarn and expanded PTFE. This type of braiding strengthens the sealant both along and across the axis of rope and combines the advantages of corner and zebra style of braids. Additional impregnation with PTFE dispersion seals the spaces between the fibres, reduces friction and improves sliding properties.

Properties and advantages

Aramid reinforcements protect the seals against rapid wear in the zone subjected to strong influence of medium in piston as well as centrifugal pumps. The addition of expanded PTFE gives more flexibility, reduces friction and at the same time improves heat conductivity.

Area of applications

The hybrid Arampak XP 310 packing is designed for media with strong dynamic influence and for sterile applications, where the risk of contamination is unacceptable, as: paper, chemical, foodstuff and pharmaceutical industry. The XP packing type can be used interchangeably with Arampak AP or AT types, it is approved for contact with food and can be supplied with EU 10/2011 health quality certificate.



Arapak XP packing is recommended for sterile seals, where the risk of contamination of equipment or media is not allowed.

Operating parameters - XP 310

	Scope of application			
	Temperature	-100 to +260°C		
	p _{max} (bar)	30	600	200
	pH range	3 to 12 pH		
	V _L (m/s)	10	3	2
	Operating factors and use limits	Load ratio max pV ~ 300 bar·m/s Average bulk density ρ ~ 1,4 g/cc Minimal bush hardness ~ 60 HRC		

Range of sizes and packaging

The main range of Arampak packing sizes are square profiles from S6 to S25, with a tolerance of -5 /+10%. These sizes are available for fast delivery directly from stock. The below table shows the conversion factors and the average length of a unit packages.

Arapak packing is packed on spools of 2,5 or 5 kg, depending on the size, in accordance with the table below. The spools are packed in collective cartons of 20 kg net. Delivery on reusable wooden spools weighing from 20 to 30 kg is also possible. Large orders are delivery on pallets in the amount of 16 or 20 cartons with a total weight of 320 or 400 kg.



Square profiles [mm]	S6	S8	S10	S12	S14	S16	S18	S20	S22	S25
Linear mass weight [g/m]	56	95	145	200	270	360	450	550	670	880
Spool type	2,5 kg		5 kg					5 kg also 20 - 30 kg		
Converter to meters [m]	18	10,5	6,8	5	3,6	2,8	2,2	1,8	1,5	1,15
Roll length [m]	45	26	34	25	18	14	11	9	7,5	5,7