

AP 300 gland packing

Packing braided of continuous aramid fiber with a characteristic yellow color and particularly high abrasion resistance. AP 300 packing is impregnated with PTFE dispersion to seal pores, reduce friction and improve flexibility.

Properties and advantages

The aramid fiber is characterized by particularly high mechanical strength, which results in excellent abrasion resistance. However, the high friction of the aramid AP packing may increase wear on some parts of the stuffing box, especially the shaft. For this reason, the shaft or the shaft protective bush should be made of material with high hardness, at least at the level of 60 HRC.

Area of applications

Arapak AP packing is intended for pumps and valves for pulps or abrasive media. Aramid is especially recommended for closing rings in packing sets heavily contaminated with solid particles, such as: drainage systems, sewage pumping stations and hydro-transport. The AP 300 sealant is also suitable for hygienic conditions, where the risk of contamination of process fluids is unacceptable.



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Operating parameters - AP 300

	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 ~ 200 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 S4 to S30, 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]	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 kg also 20 - 30 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