

HYAP300 – GLAND PACKING ARAMID FIBRE

Construction:

The packing based on aramid continuous fibre, which has the characteristic yellow colour and one of the highest strength, which qualifies it as a ballistic shield. The aramid packings are braided in square profiles and varieties sizes, which are impregnated with dispersion PTFE for improve friction and mechanical properties.

Properties:





Aramid is especially hard filaments with the extreme mechanical strength, which cause very high abrasion resistance. Because the aramid has not too low the friction factor, therefore can accelerates wear and tear of some parts of stuffing box, especially a shaft. For that reason, the harden surface on a shaft or a special protective bush with hardness on level 60 HRC is needed.



Applications:

Arampak is designed for gland seals in pumps, which work with especially polluted media or with abrasive or crystallizing liquids, in pumps of sewage, hydro-transport, in the food and paper industry. The good solution, for better sliding characteristic, is to apply the aramid packings in sets with some soft PTFE packing. In this solution the aramid frontal rings protected of the abrasive particles penetration, the inside PTFE rings give better sliding and improve life time of the seal.



Arampak AP 300 - operating parameters				
	Scope of application			
	Temperature	-100 up to 260 °C		
	p _{max} (bar)	30	300	200
	pH range	3 do 12 pH		
	V _L (m/s)	20	6	2
	Operating factors	pV max ~ 400 ρ range 1,4 - 1,5 g/cm ³		



Packaging:

The packing is delivered on spools in carton box 2,5 kgs for small sizes up to S8 (square profile 8x8mm) and bigger spools 5 kgs for S10 and over. The spools are packaging in large carton with 20 kgs net weight. The bigger orders are delivered on standard EPAL pallet with net quantity 320 kgs.

Range of sizes:

General sizes in square profile in range 4 to 30 mm are available on stock. The other sizes or other profiles on customer requirement. The table below shows the ratio for evaluation demand in kilograms and for estimate minimal length of packing on single standard spool.

Size mm	S4	S5	S6	S8	S10	S12	S14	S15	S16	S18	S20	S22	S25	S30
Ratio m/kg	40	26	18	10,8	6,8	5	3,6	3,2	2,8	2,2	1,8	1,44	1,12	0,8
Spool type	2,5 kgs				5 kgs									
Min. length m	100	65	45	27	34	25	18	16	14	11	9	7,2	5,6	4