

Packings

RivaLon Packing K36

PTFE-Multifilament with PTFE Dispersion



Mechanical Properties

Maximum Pressure	[bar]		200
Maximum Speed	[m/s]	rotating	0,5
		oscillating	2
Temperature Resistance	[°C]	from	-200
		to	+280

Standard Width approx. mm

3	4	5	6	8	10	12	14	15	16	18	20	22	25
16	29	45	65	115	180	260	353	405	460	583	720	871	--

Weight per meter in g

Notes:

K36S by application of oxygen (fibers BAM-examined)
K 39 for pumps (with silicon oil impregnation)

- static applications
- for pumps
- for valves

Uses

Drinking water, Foodstuffs	○
Water, Sewage, Boiler Feed Water	●
Gasses, Air, Nitrogen	●
Diluted acids, inorg./org. saline solutions	●
Concentrated acids	●
Diluted lyes/alkalies	●
Concentrated lyes/alkalies	●
Oils, greases	●
Heat transfer mediums	●
Solvents	●
Organic compounds	●
Adhesives, Bitumen	●
Abrasive mediums	X
Colors, Varnishes	●

● = applicable ○ = conditionally applicable X = not applicable

RivaFlex Packing K40

PTFE-Fiber with incorporated graphite and silicon oil (100% Gore GFO®)



Mechanical Properties

Maximum Pressure	[bar]		30
Maximum Speed	[m/s]	rotating	20
		oscillating	5
Temperature Resistance	[°C]	from	-100
		to	+280

Standard Width approx. mm

4	5	6	8	10	12	14	15	16	18	20	22	24	25
26	40	58	102	160	230	325	360	410	518	640	774	920	1000

Weight per meter in g

Notes:

K40E PTFE-Fiber with incorporated graphite, without lubricant, for valves (100% Gore G2®)

- static applications
- for pumps
- for valves

Uses

Drinking water, Foodstuffs	○
Water, Sewage, Boiler Feed Water	●
Gasses, Air, Nitrogen	●
Diluted acids, inorg./org. saline solutions	●
Concentrated acids	○
Diluted lyes/alkalies	●
Concentrated lyes/alkalies	○
Oils, greases	●
Heat transfer mediums	●
Solvents	○
Organic compounds	○
Adhesives, Bitumen	X
Abrasive mediums	X
Colors, Varnishes	X

● = applicable ○ = conditionally applicable X = not applicable

Packings

RamiVal Packing K41

Ramie-Fiber with PTFE Dispersion and Silicon Oil Impregnation



Mechanical Properties

Maximum Pressure	[bar]		60
Maximum Speed	[m/s]	rotating	10
		oscillating	4
Temperature Resistance	[°C]	from	-20
		to	+120

Standard Width approx. mm														
3	4	5	6	8	10	12	14	15	16	18	20	22	24	25
13	23	36	52	93	145	209	284	326	371	470	580	702	835	906
Weight per meter in g														

Notes:
K41P with paraffin oil

- static applications
- for pumps
- for valves

Uses

Drinking water, Foodstuffs	○
Water, Sewage, Boiler Feed Water	●
Gasses, Air, Nitrogen	●
Diluted acids, inorg./org. saline solutions.	○
Concentrated acids	X
Diluted lyes/alkalies	○
Concentrated lyes/alkalies	X
Oils, greases	○
Heat transfer mediums	X
Solvents	○
Organic compounds	○
Adhesives, Bitumen	X
Abrasive mediums	○
Colors, Varnishes	X

● = applicable ○ = conditionally applicable X = not applicable

RivaStat Packing K68

Calcium Silicate Fibers



Mechanical Properties

Maximum Pressure	[bar]		2
Maximum Speed	[m/s]	rotating	-
		oscillating	-
Temperature Resistance	[°C]	from	-200
		to	+550

Standard Width approx. mm														
3	4	5	6	8	10	12	14	15	16	18	20	22	24	25
--	18	29	41	74	115	166	225	259	295	373	460	557	662	719
Weight per meter in g														

Notes:
K68G with special graphite impregnation
K68C with special CKP impregnation.

- static applications
- for pumps
- for valves

Uses

Drinking water, Foodstuffs	X
Water, Sewage, Boiler Feed Water	X
Gasses, Air, Nitrogen	○
Diluted acids, inorg./org. saline solutions	X
Concentrated acids	X
Diluted lyes/alkalies	X
Concentrated lyes/alkalies	X
Oils, greases	○
Heat transfer mediums	○
Solvents	○
Organic compounds	○
Adhesives, Bitumen	○
Abrasive mediums	○
Colors, Varnishes	○

● = applicable ○ = conditionally applicable X = not applicable

Packings

RivaNorm Packing K75 Calcium Silicate Fibers

intensively impregnated with PTFE dispersion



Mechanical Properties

Maximum Pressure	[bar]		200
Maximum Speed	[m/s]	rotating	8
		oscillating	6
Temperature Resistance	[°C]	from	-200
		to	+260

Standard Width approx. mm														
3	4	5	6	8	10	12	14	15	16	18	20	22	24	25
--	22	33	49	86	135	195	265	304	346	438	540	653	775	844
Weight per meter in g														

Notes:
K75Ö for pumps (with PTFE dispersion and lubrication)

- static applications
- for pumps
- for valves

Uses

Drinking water, Foodstuffs	X
Water, Sewage, Boiler Feed Water	●
Gasses, Air, Nitrogen	●
Diluted acids, inorg./org. saline solutions	●
Concentrated acids	X
Diluted lyes/alkalies	●
Concentrated lyes/alkalies	X
Oils, greases	●
Heat transfer mediums	●
Solvents	●
Organic compounds	●
Adhesives, Bitumen	●
Abrasive mediums	X
Colors, Varnishes	●

● = applicable ○ = conditionally applicable X = not applicable

RivaTherm Packing K80 Packing ring wound

from flexible graphite foil and pressed in moulds



Mechanical Properties

Maximum Pressure	[bar]		300
Maximum Speed	[m/s]	rotating	5
		oscillating	2
Temperature Resistance	[°C]	from	-200
		to	+550

Dieformed Packing Ring Seamless, slotted or split
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Notes:
 In connection with K80S, pressure load up to 1500 bar.
 With steam up to a maximum of 650 °C.

- static applications
- for pumps
- for valves

Uses

Drinking water, Foodstuffs	●
Water, Sewage, Boiler Feed Water	●
Gasses, Air, Nitrogen	●
Diluted acids, inorg./org. saline solutions	●
Concentrated acids	○
Diluted lyes/alkalies	●
Concentrated lyes/alkalies	●
Oils, greases	●
Heat transfer mediums	●
Solvents	●
Organic compounds	●
Adhesives, Bitumen	○
Abrasive mediums	○
Colors, Varnishes	●

● = applicable ○ = conditionally applicable X = not applicable

Packings

RivaTherm K80C Graphite foil wound and pressed in moulds, U-formed envelope of sintered PTFE



Mechanical Properties

Maximum Pressure	[bar]		300
Maximum Speed	[m/s]	rotating	5
		oscillating	2
Temperature Resistance	[°C]	from	-200
		to	+280

Dieformed packing ring
Seamless

Notes:

For uses consistent with TA-Luft. When graphite is permissible, we recommend K80S rings as antiextrusion rings

- static applications
- for pumps
- for valves

Uses

Drinking water, Foodstuffs	●
Water, Sewage, Boiler Feed Water	●
Gasses, Air, Nitrogen	●
Diluted acids, inorg./org. saline solutions	●
Concentrated acids	●
Diluted lyes/alkalies	●
Concentrated lyes/alkalies	●
Oils, greases	●
Heat transfer mediums	●
Solvents	●
Organic compounds	●
Adhesives, Bitumen	●
Abrasive mediums	○
Colors, Varnishes	●

● = applicable ○ = conditionally applicable X = not applicable

RivaTherm K80S RivaTherm-Packing ring

Stainless steel, graphite laminate layered and pressed in moulds



Mechanical Properties

Maximum Pressure	[bar]		1500
Maximum Speed	[m/s]	rotating	0,2
		oscillating	2
Temperature Resistance	[°C]	from	-200
		to	+550

Dieformed packing ring
Seamless or split

Notes:

With steam up to a maximum of 650 °C. Only intended as antiextrusion ring.

- static applications
- for pumps
- for valves

Uses

Drinking water, Foodstuffs	●
Water, Sewage, Boiler Feed Water	●
Gasses, Air, Nitrogen	●
Diluted acids, inorg./org. saline solutions	○
Concentrated acids	○
Diluted lyes/alkalies	○
Concentrated lyes/alkalies	○
Oils, greases	●
Heat transfer mediums	●
Solvents	●
Organic compounds	●
Adhesives, Bitumen	●
Abrasive mediums	●
Colors, Varnishes	●

● = applicable ○ = conditionally applicable X = not applicable

Packings

RivaMid Packing K81 Aramide continuous filament (TWARON®) with PTFE dispersion and silicon oil



Mechanical Properties

Maximum Pressure	[bar]		100
Maximum Speed	[m/s]	rotating	20
		oscillating	3
Temperature Resistance	[°C]	from	-100
		to	+280

Standard Width approx. mm														
3	4	5	6	8	10	12	14	15	16	18	20	22	24	25
--	23	36	52	93	145	209	284	326	371	470	580	702	835	906
Weight per meter in g														

Notes:
K81P Aramide continuous fibers (TWARON®) with PTFE dispersion and paraffin oil

- static applications
- for pumps
- for valves

Uses

Drinking water, Foodstuffs	X
Water, Sewage, Boiler Feed Water	●
Gasses, Air, Nitrogen	●
Diluted acids, inorg./org. saline solutions	●
Concentrated acids	X
Diluted lyes/alkalies	●
Concentrated lyes/alkalies	X
Oils, greases	●
Heat transfer mediums	●
Solvents	●
Organic compounds	●
Adhesives, Bitumen	●
Abrasive mediums	●
Colors, Varnishes	X

● = applicable ○ = conditionally applicable X = not applicable

RivaMid-Packung K83

Aramide staple fibers with PTFE dispersion and silicon oil



Mechanical Properties

Maximum Pressure	[bar]		100
Maximum Speed	[m/s]	rotating	15
		oscillating	2
Temperature Resistance	[°C]	from	-100
		to	+250

Standard Width approx. mm														
3	4	5	6	8	10	12	14	15	16	18	20	22	24	25
14	23	36	52	93	145	209	284	326	371	470	580	702	835	906
Weight per meter in g														

Notes:
K 83P made of aramide staple fibers with silicon free lubricant

- static applications
- for pumps
- for valves

Uses

Drinking water, Foodstuffs	X
Water, Sewage, Boiler Feed Water	●
Gasses, Air, Nitrogen	●
Diluted acids, inorg./org. saline solutions	●
Concentrated acids	X
Diluted lyes/alkalies	●
Concentrated lyes/alkalies	X
Oils, greases	●
Heat transfer mediums	●
Solvents	●
Organic compounds	●
Adhesives, Bitumen	●
Abrasive mediums	●
Colors, Varnishes	X

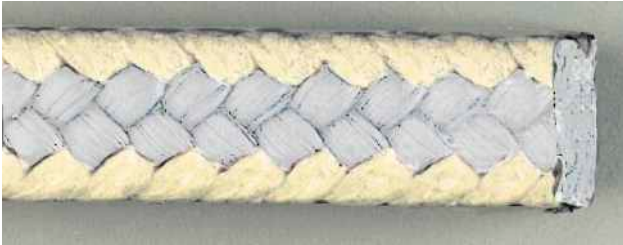
● = applicable ○ = conditionally applicable X = not applicable

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Packings

RivaKomb Packing K89 PTFE Multifilament

fiber with aramide-reinforced edges and lubricant



Mechanical Properties

Maximum Pressure	[bar]	50
Maximum Speed	[m/s] rotating	15
	oscillating	15
Temperature Resistance	[°C] from	-100
	to	+280

Standard Width approx. mm														
3	4	5	6	8	10	12	14	15	16	18	20	22	24	25
--	26	40	58	102	160	230	314	360	410	518	640	774	922	1000
Weight per meter in g														

Notes:
Predominantly intended for piston pumps
K86 without lubricant

- static applications
- for pumps
- for valves

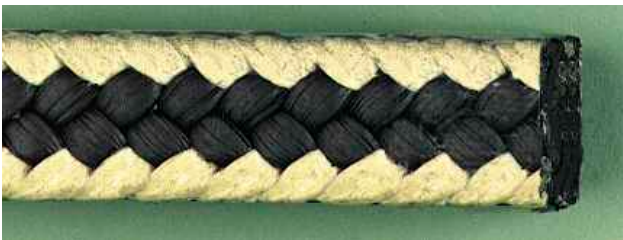
Uses

Drinking water, Foodstuffs	○
Water, Sewage, Boiler Feed Water	●
Gasses, Air, Nitrogen	●
Diluted acids, inorg./org. saline solutions	○
Concentrated acids	X
Diluted lyes/alkalies	○
Concentrated lyes/alkalies	X
Oils, greases	●
Heat transfer mediums	●
Solvents	●
Organic compounds	●
Adhesives, Bitumen	●
Abrasive mediums	●
Colors, Varnishes	X

● = applicable ○ = conditionally applicable X = not applicable

RivaKomb Packing K90 PTFE with incorporated

graphite, anti-friction lubricant and aramide-reinforced edges



Mechanical Properties

Maximum Pressure	[bar]	200
Maximum Speed	[m/s] rotating	10
	oscillating	10
Temperature Resistance	[°C] from	-200
	to	+280

Standard Width approx. mm														
3	4	5	6	8	10	12	14	15	16	18	20	22	24	25
--	25	40	58	102	160	230	313	360	409	518	640	774	920	1000
Weight per meter in g														

Notes:
Predominantly intended for piston pumps
K90E without anti-friction lubricant

- static applications
- for pumps
- for valves

Uses

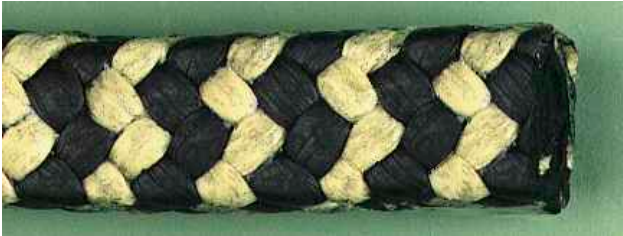
Drinking water, Foodstuffs	○
Water, Sewage, Boiler Feed Water	●
Gasses, Air, Nitrogen	●
Diluted acids, inorg./org. saline solutions	○
Concentrated acids	X
Diluted lyes/alkalies	○
Concentrated lyes/alkalies	X
Oils, greases	●
Heat transfer mediums	●
Solvents	●
Organic compounds	●
Adhesives, Bitumen	●
Abrasive mediums	●
Colors, Varnishes	X

● = applicable ○ = conditionally applicable X = not applicable

Packings

RivaBrid Packing K91 TWARON® and GFO®

fiber manufactured in hybrid braiding



Mechanical Properties

Maximum Pressure	[bar]		200
Maximum Speed	[m/s]	rotating	20
		oscillating	3
Temperature Resistance	[°C]	from	-200
		to	+280

Standard Width approx. mm														
3	4	5	6	8	10	12	14	15	16	18	20	22	24	25
--	25	40	58	102	160	230	313	360	409	518	640	774	920	1000
Weight per meter in g														

Notes:
Other material combinations are available for delivery as hybrid braiding: **K92** of PTFE Multifilament-GFO fiber; **K93** of PTFE Multifilament fiber and TWARON fiber

- static applications
- for pumps
- for valves

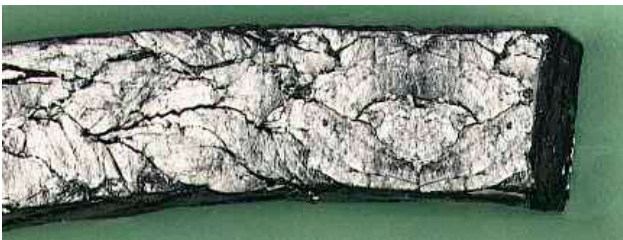
Uses

Drinking water, Foodstuffs	○
Water, Sewage, Boiler Feed Water	●
Gasses, Air, Nitrogen	●
Diluted acids, inorg./org. saline solutions	●
Concentrated acids	X
Diluted lyes/alkalies	●
Concentrated lyes/alkalies	X
Oils, greases	●
Heat transfer mediums	●
Solvents	●
Organic compounds	●
Adhesives, Bitumen	●
Abrasive mediums	○
Colors, Varnishes	●

● = applicable ○ = conditionally applicable X = not applicable

RivaTherm Packing K95

Made of flexible graphite



Mechanical Properties

Maximum Pressure	[bar]		300
Maximum Speed	[m/s]	rotating	30
		oscillating	10
Temperature Resistance	[°C]	from	-200
		to	+450

Standard Width approx. mm														
3	4	5	6	8	10	12	14	15	16	18	20	22	24	25
--	16	25	36	64	100	144	196	225	256	324	400	484	576	625
Weight per meter in g														

Notes:
With steam up to 650 °C. Regarding the pressure load, we recommend the series of antiextrusion rings from **K99**, **K100** or **K80S**. **K95i** with chrome-nickel supporting wires

- static applications
- for pumps
- for valves

Uses

Drinking water, Foodstuffs	●
Water, Sewage, Boiler Feed Water	●
Gasses, Air, Nitrogen	●
Diluted acids, inorg./org. saline solutions	●
Concentrated acids	○
Diluted lyes/alkalies	●
Concentrated lyes/alkalies	●
Oils, greases	●
Heat transfer mediums	●
Solvents	●
Organic compounds	●
Adhesives, Bitumen	○
Abrasive mediums	○
Colors, Varnishes	●

● = applicable ○ = conditionally applicable X = not applicable

Packings

RivaTherm Packing K100 Flexible graphite with high-temperature-tolerant metal reinforcement



Mechanical Properties

Maximum Pressure	[bar]	500
Maximum Speed	[m/s] rotating	5
	oscillating	2
Temperature Resistance	[°C] from	-200
	to	+550

Standard Width approx. mm														
3	4	5	6	8	10	12	14	15	16	18	20	22	24	25
--	19	30	43	77	120	173	235	270	307	389	480	580	690	750
Weight per meter in g														

Notes:
With steam up to a max. 650°C.
Specially intended as antiextrusion ring.

- static applications
- for pumps
- for valves

Uses

Drinking water, Foodstuffs	●
Water, Sewage, Boiler Feed Water	●
Gasses, Air, Nitrogen	●
Diluted acids, inorg./org. saline solutions	○
Concentrated acids	○
Diluted lyes/alkalies	●
Concentrated lyes/alkalies	○
Oils, greases	●
Heat transfer mediums	●
Solvents	●
Organic compounds	●
Adhesives, Bitumen	●
Abrasive mediums	○
Colors, Varnishes	●

● = applicable ○ = conditionally applicable X = not applicable

RivaGlas Packing K450G

Glass fiber with a special graphite impregnation



Mechanical Properties

Maximum Pressure	[bar]	20
Maximum Speed	[m/s] rotating	-
	oscillating	-
Temperature Resistance	[°C] from	-40
	to	+450

Standard Width approx. mm														
3	4	5	6	8	10	12	14	15	16	18	20	22	24	25
--	22	33	49	86	135	195	265	305	346	438	540	653	775	844
Weight per meter in g														

Notes:
K550 with a special glass fiber and chrome-nickel core, up to 550 °C. Also deliverable graphitated as **K550G**
K1000 also special glass-silicate fiber, up to 1000 °C

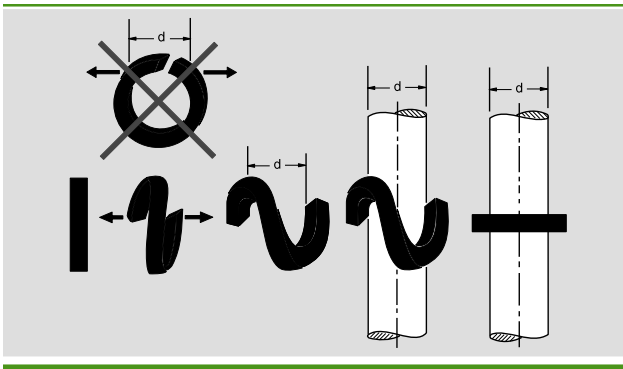
- static applications
- for pumps
- for valves

Uses

Drinking water, Foodstuffs	X
Water, Sewage, Boiler Feed Water	○
Gasses, Air, Nitrogen	○
Diluted acids, inorg./org. saline solutions	○
Concentrated acids	X
Diluted lyes/alkalies	○
Concentrated lyes/alkalies	X
Oils, greases	●
Heat transfer mediums	○
Solvents	●
Organic compounds	●
Adhesives, Bitumen	○
Abrasive mediums	○
Colors, Varnishes	X

● = applicable ○ = conditionally applicable X = not applicable

Braided Packing Rings



Compression molded packing rings provide the technically best solution and are, in addition, a good value. Through our compression machines, each ring for different operating conditions is optimally precompressed.

Several thousand forms are available in increments of a few tenths of a millimeter, so that an appropriate tool is generally available for packing rings for reground spindles, rods or shafts.

Advantages of the compression molded packing rings

- Less material, Avoidance of cutting mistakes, No waste with bulk stock
- small gland packing strengths with little friction and a long lifetime
- quick assembly: therefore small assembly costs and less downtime
- highest possible dimension accuracy

With the assembly of precompressed, slotted packing rings, you have to be careful that the ring never gets bent. It is in axial position in order to open the diameter of the shaft cross section.