





Mechanical Packings

Type of seal

- 
Rotary
Pumps
- 
Reciprocating
Pumps
- 
Static
Applications
- 
Valves
- 
Insulation

Please contact us for sections not shown in the tables.



			
T -220 °C to +300 °C		P 20 MPa (200 bar)	
S 25 m/s		pH 2 - 13	

LATTY®flon 4788

ARAMID


The First and Still No. 1!

Packing made of continuous 100% aramid fibres. Each single yarn is impregnated with PTFE using our exclusive 'Filcoat'-process, then re-impregnated with a mix of PTFE and inert food-quality lubricant during plaiting operation.

Pumps, rotary movements.



Chemical, petrochemical, pharmaceutical, food and sugar industries, pulp and paper mills, power stations.

Approval: PMUC 17-044.

Article #		Description
00100276	5.0 mm	25 m / 0.85 kg
00100277	6.0 mm	20 m / 1.00 kg
00101153	6.35 mm	20 m / 1.120 kg
00100278	7.0 mm	15 m / 1.02 kg
00100279	8.0 mm	15 m / 1.33 kg
00100280	9.5 mm	12 m / 1.55 kg
00100281	10.0 mm	12 m / 1.70 kg
00100282	11.0 mm	11 m / 1.85 kg
00100283	12.0 mm	11 m / 2.20 kg
00100284	12.7 mm	11 m / 2.45 kg
00100285	14.0 mm	10 m / 2.75 kg
00100286	15.0 mm	10 m / 3.20 kg
00100287	16.0 mm	10 m / 3.62 kg
00100288	18.0 mm	10 m / 4.44 kg
00100289	19.0 mm	10 m / 4.94 kg
00100290	20.0 mm	10 m / 5.47 kg
00100291	22.0 mm	10 m / 6.66 kg
00100292	25.4 mm	10 m / 8.33 kg

Manufactured upon request only. Please consult us.



			
T -200 °C to +275 °C		P 10 MPa (100 bar)	
S 20 m/s		pH 2 - 12	

LATTY®flon 4789

ARAMID


The Cost-effective Aramid Packing

Packing made of aramid/staple rayon compound yarns, each single yarn being impregnated with PTFE using our exclusive 'Filcoat'-process, then re-impregnated with a mix of PTFE and inert food-quality lubricant during plaiting operation.

Pumps, rotary movements.



Marine (in particular propeller shaft glands), chemical, petrochemical, pharmaceutical, food and sugar industries, pulp and paper mills, power stations.

Approval: PMUC 17-045.

Article #		Description
00100209	3.0 mm	55 m / 0.73 kg
00100210	4.0 mm	35 m / 0.84 kg
00100211	5.0 mm	25 m / 0.85 kg
00100212	6.0 mm	20 m / 0.97 kg
00101103	6.35 mm	20 m / 1.080 kg
00100213	8.0 mm	15 m / 1.22 kg
00100214	9.5 mm	12 m / 1.32 kg
00100215	10.0 mm	12 m / 1.54 kg
00100216	11.0 mm	11 m / 1.69 kg
00100217	12.0 mm	11 m / 2.06 kg
00100218	12.7 mm	11 m / 2.23 kg
00100219	14.0 mm	10 m / 2.52 kg
00100220	15.0 mm	10 m / 2.86 kg
00100221	16.0 mm	10 m / 3.33 kg
00100222	18.0 mm	10 m / 4.30 kg
00100223	19.0 mm	10 m / 4.80 kg
00100224	20.0 mm	10 m / 5.00 kg
00100225	22.0 mm	10 m / 6.10 kg
00100227	25.4 mm	10 m / 8.02 kg
00101211	26.0 mm	10 m / 8.35 kg
00100229	30.0 mm	10 m / 11.30 kg
00100968	32.0 mm	10 m / 12.73 kg

Manufactured upon request only. Please consult us.



			
T -220 °C to +300 °C		P 30 MPa (300 bar)	
S 30 m/s		pH 1 - 13	

LATTY®flon 4488

ARAMID


Aramid/Carbon Synergy
Tough - Durable - Reliable

Packing made of a LATTY® exclusive yarn - intimately blended aramid and carbon fibres - each single yarn being impregnated with PTFE using our exclusive 'Filcoat'-process. The packing is then re-impregnated with a mix of PTFE and inert food-quality lubricant during plaiting operation.

The mechanical properties of aramid fibres combined with the heat dissipation properties of carbon fibres give LATTY®flon 4488 unmatched performance.




Pumps, agitators, mixers, refiners, screw conveyors.

All kind of slurries, pulp and paper mills, chemical, petrochemical, pharmaceutical, food and sugar industries, power stations.

Article #		Description
00101712	4.0 mm	35 m / 0.80 kg
00101491	6.0 mm	20 m / 1.12 kg
00101934	6.35 mm	20 m / 1.250 kg
00101467	8.0 mm	15 m / 1.34 kg
00101488	9.5 mm	12 m / 1.66 kg
00101405	10.0 mm	12 m / 1.74 kg
00101549	12.0 mm	11 m / 2.39 kg
00101436	12.7 mm	11 m / 2.58 kg
00101496	14.0 mm	10 m / 2.70 kg
00101647	15.0 mm	10 m / 3.44 kg
00101446	16.0 mm	10 m / 3.88 kg
00101670	18.0 mm	10 m / 4.90 kg
00101492	19.0 mm	10 m / 5.40 kg
00101447	20.0 mm	10 m / 5.70 kg
00101469	25.4 mm	10 m / 9.15 kg

Manufactured upon request only. Please consult us.



		
T -220 °C to +300 °C	P 20 MPa (200 bar)	
S 10 m/s	pH 2 - 13	

LATTY®flon 4450

ARAMID

Specially Designed for Mixer Stuffing Boxes

Packing made of aramid-carbon yarns - each single yarn being impregnated with PTFE using our exclusive 'Filcoat'-process - and expanded graphite yarns reinforced with a high-strength synthetic fibre, re-impregnated with a PTFE mix during plaiting operation.

LATTY®flon 4450 combines the mechanical resistance of aramid-carbon yarns located in the corners and reduced friction of graphite yarns. Good gas-sealing efficiency.




Mixers - dry operation at low speeds.

Chemical, petrochemical, pharmaceutical, food and sugar industries, pulp and paper mills, power stations.

Manufactured as preformed rings only.

Please consult us.



			
T -220 °C to +300 °C	P 180 MPa (1 800 bar)		
S 22 m/s	pH 2 - 14		

LATTY®flon 4757


ARAMID

Reciprocating - Rotary - Static Extreme Pressure

Multi-yarn packing: the corners of the packing are made of 100% aramid yarns impregnated with PTFE using our exclusive 'Filcoat'-process, while the friction faces are made of 100% graphited PTFE and lubricated. The packing is then re-impregnated with a mix of PTFE and inert lubricant during plaiting operation.

Reciprocating pumps, mixers, stirrers, reactors, valves.

For all difficult mechanical conditions, chemical, agro-chemical, petrochemical, paper and sugar industries, power stations.

Article #		Description
00100848	6.0 mm	20 m / 1.20 kg
00101618	6.35 mm	20 m / 1.340 kg
00100653	8.0 mm	15 m / 1.30 kg
00101054	9.52 mm	12 m / 1.480 kg
00100654	10.0 mm	12 m / 1.63 kg
00100655	12.0 mm	11 m / 2.25 kg
00101545	12.7 mm	11 m / 2.47 kg
00100656	14.0 mm	10 m / 2.86 kg
50976	15.0 mm	10 m / 3.31 kg
00101547	16.0 mm	10 m / 3.83 kg
00101413	18.0 mm	10 m / 4.92 kg
00101471	19.0 mm	10 m / 5.54 kg
00101756	20.0 mm	10 m / 5.74 kg
00101701	22.0 mm	10 m / 7.40 kg
00101700	25.4 mm	10 m / 9.44 kg

Manufactured upon request only. Please consult us.



			
T -220 °C to +300 °C	P 100 MPa (1 000 bar)		
S 10 m/s	pH 2 - 14		

LATTY®flon 4758


ARAMID

Performance and Aesthetics for Reciprocating Applications

Multi-yarn packing: the corners of the packing are made of 100% aramid yarns impregnated with PTFE using our exclusive 'Filcoat'-process, while the friction faces are made of lubricated and silicone free 100% PTFE. The packing is then re-impregnated with a PTFE mix during plaiting operation.

Reciprocating, rotary pumps, mixers, stirrers, powder conveyors.

Pulverized products, chemical, agro-chemical, petrochemical, food-processing and sugar industries, cement works, mine operations.

Article #		Description
00100194	4.0 mm	35 m / 0.84 kg
00100195	5.0 mm	25 m / 0.86 kg
00100196	6.0 mm	20 m / 1.02 kg
00101105	6.35 mm	20 m / 1.140 kg
00100198	8.0 mm	15 m / 1.30 kg
00100199	9.5 mm	12 m / 1.45 kg
00100200	10.0 mm	12 m / 1.56 kg
00100201	11.0 mm	11 m / 1.89 kg
00100202	12.0 mm	11 m / 2.37 kg
00100203	12.7 mm	11 m / 2.61 kg
00100204	14.0 mm	10 m / 2.73 kg
00100206	16.0 mm	10 m / 3.60 kg
00100713	18.0 mm	10 m / 4.40 kg
00100714	19.0 mm	10 m / 4.90 kg
00100715	20.0 mm	10 m / 5.43 kg
00100717	25.4 mm	10 m / 8.94 kg

Manufactured upon request only. Please consult us.



			
T -50 °C to +200 °C	P 6 MPa (60 bar)		
S 15 m/s	pH 3 - 11		

LATTY®tex 4777


ARAMID

A Cost-effective Packing for General Maintenance Use

Compound packing made of blended yarns: Aramid/staple rayon yarns on the corners and polyacrylic yarns for friction faces. Each single yarn is impregnated with PTFE using our exclusive 'Filcoat'-process, then re-impregnated with a mix of paraffinic lubricants and gelling agents.

Pumps, mixers.

All industries for general use. Also for cement works, paper mills and sugar industry.

Article #		Description
36011	6.0 mm	20 m / 1.11 kg
36616	6.35 mm	20 m / 1.240 kg
34954	8.0 mm	15 m / 1.21 kg
36012	9.5 mm	12 m / 1.35 kg
34955	10.0 mm	12 m / 1.61 kg
34956	12.0 mm	11 m / 2.11 kg
34957	12.7 mm	11 m / 2.38 kg
36013	14.0 mm	10 m / 2.65 kg
36014	16.0 mm	10 m / 3.51 kg
36617	18.0 mm	10 m / 4.20 kg
36015	19.0 mm	10 m / 4.80 kg
36618	20.0 mm	10 m / 5.00 kg
36620	25.4 mm	10 m / 8.20 kg

Manufactured upon request only. Please consult us.



T -200 °C to +280 °C		P 10 MPa (100 bar)	
S 10 m/s		pH 0 - 14	

LATTY®flon 3206

PTFE

The Chemical Inertia of PTFE
for Dynamic Application

Packing made of 100% PTFE silk yarns, each single yarn being impregnated with PTFE using our exclusive 'Filcoat'-process. The packing is then re-impregnated with a mix of PTFE and inert lubricant during plaiting operation.

Pumps. valves.

Chemical. pharmaceutical and food industries.

Article #		Description
00100164	4.0 mm	35 m / 1.07 kg
00100166	6.0 mm	20 m / 1.36 kg
00101349	6.35 mm	20 m / 1.530 kg
00100168	8.0 mm	15 m / 1.65 kg
00100169	9.5 mm	12 m / 1.86 kg
00100170	10.0 mm	12 m / 2.09 kg
00100172	12.0 mm	11 m / 2.70 kg
00100173	12.7 mm	11 m / 3.00 kg
00100174	14.0 mm	10 m / 3.50 kg
00100696	16.0 mm	10 m / 4.53 kg
00100699	20.0 mm	10 m / 6.70 kg

Manufactured upon request only. Please consult us.



T -200 °C to +300 °C		P 30 MPa (300 bar)	
S < 5 m/s		pH 0 - 14	

LATTY®flon 3206 S

PTFE

The Chemical Inertia of PTFE
for Static Application

Packing made of 100% PTFE silk yarns, each single yarn being impregnated with PTFE using our exclusive 'Filcoat'-process. The packing is then re-impregnated with a PTFE mix during plaiting operation.

Valves. low-speed equipment.

Chemical. pharmaceutical and food-processing industries.

Article #		Description
00100250	4.0 mm	35 m / 1.02 kg
00100251	5.0 mm	25 m / 1.04 kg
00100252	6.0 mm	20 m / 1.21 kg
00101104	6.35 mm	20 m / 1.360 kg
00100254	8.0 mm	15 m / 1.55 kg
00100255	9.5 mm	12 m / 1.74 kg
00100256	10.0 mm	12 m / 1.94 kg
00100258	12.0 mm	11 m / 2.51 kg
00100259	12.7 mm	11 m / 2.80 kg
00100260	14.0 mm	10 m / 3.20 kg
00100262	16.0 mm	10 m / 4.32 kg
00100702	20.0 mm	10 m / 6.59 kg
00100703	22.0 mm	10 m / 7.80 kg
00100704	25.4 mm	10 m / 11.25 kg

Manufactured upon request only. Please consult us.



T -200 °C to +300 °C		P 30 MPa (300 bar)	
S < 5 m/s		pH 0 - 14	

LATTY®flon 3206 SO

PTFE

The Chemical Inertia of PTFE
Oxygen Compatibility

Packing made of 100% PTFE silk yarns, impregnated with PTFE, then treated to be perfectly compatible with oxygen.

Valves. control valves.

Applications with oxygen. all industries.

Approval: BAM (oxygen), WRC (drinking water).

Article #		Description
31449	5.0 mm	25 m / 0.95 kg
31353	6.0 mm	20 m / 1.06 kg
31414	8.0 mm	15 m / 1.45 kg
33275	10.0 mm	12 m / 1.72 kg
33276	12.0 mm	11 m / 2.30 kg
33277	14.0 mm	10 m / 3.00 kg
31584	16.0 mm	10 m / 3.80 kg
30484	18.0 mm	10 m / 4.80 kg
30568	19.0 mm	10 m / 5.10 kg
31667	20.0 mm	10 m / 5.60 kg

Manufactured upon request only. Please consult us.



T -200 °C to +280 °C		P 10 MPa (100 bar)	
S 10 m/s		pH 0 - 14	

LATTY®flon 3206 AL

PTFE

The Chemical Inertia of PTFE
Foodstuff Compatibility for Dynamic Application

Packing made of 100% PTFE silk yarns, each single yarn being impregnated with PTFE using our exclusive 'Filcoat'-process. The packing is then re-impregnated with a mix of PTFE and food-quality silicone lubricant.

Pumps. valves.

Food. pharmaceutical and chemical industries.

Approval: WRC (drinking water), CRECEP-ACS, FDA: 177-1550 (CFR 21).

Article #		Description
33746	5.0 mm	25 m / 1.00 kg
33747	6.0 mm	20 m / 1.14 kg
37194	6.35 mm	20 m / 1.280 kg
33748	8.0 mm	15 m / 1.56 kg
33749	10.0 mm	12 m / 1.86 kg
33750	12.0 mm	11 m / 2.48 kg
33752	14.0 mm	10 m / 3.25 kg
33753	16.0 mm	10 m / 4.10 kg
33754	18.0 mm	10 m / 5.30 kg
33755	19.0 mm	10 m / 6.20 kg
33756	20.0 mm	10 m / 6.40 kg

Manufactured upon request only. Please consult us.



T -100 °C to +300 °C	P 30 MPa (300 bar)		
S 1 m/s	pH 0 - 14		

LATTY®flon 3260 LM

PTFE

The Ultimate for Control Valves

Packing consisting of a PTFE-impregnated plaited core made of carbon yarns, covered with a plaited sleeve of impregnated and lubricated PTFE yarns.

The elastic compound structure of this packing brings secure stem sealing with low tightening pressure, resulting in reduced operating effort and very low hysteresis.

Control valves.

Approval: BAM (oxygen). TÜV (TA-Luft), PMUC 17-042.

Article #	Section	Description
00101597	4.7 x 5.0 mm	25 m / 0.98 kg
00101598	6.5 x 6.5 mm	20 m / 1.28 kg
00101596	8.0 x 8.5 mm	15 m / 1.52 kg
00101595	9.2 x 10.0 mm	12 m / 1.60 kg
00101594	12.5 x 13.2 mm	11 m / 2.52 kg
00101599	16.0 x 16.0 mm	10 m / 3.90 kg

Square section on request. Please consult us.



T -200 °C to +300 °C	P 11 MPa (110 bar)		
S 26 m/s	pH 0 - 14		

LATTY®flon 4308

PTFE

Chemical Inertia - High Speeds The Absolutely Necessary Packing

Packing made of 100% PTFE silk yarns, pretreated with continuous graphite impregnation then re-impregnated with a silicone lubricant.

Rotary machines.

All industries.

Article #		Description
00101655	4.0 mm	35 m / 0.93 kg
00101626	5.0 mm	25 m / 1.05 kg
00101581	6.0 mm	20 m / 1.16 kg
00101663	6.35 mm	20 m / 1.300 kg
00101579	8.0 mm	15 m / 1.47 kg
00101617	9.5 mm	12 m / 1.76 kg
00101580	10.0 mm	12 m / 1.89 kg
00101583	11.0 mm	11 m / 2.00 kg
00101582	12.0 mm	11 m / 2.47 kg
00101584	12.7 mm	11 m / 2.80 kg
00101652	14.0 mm	10 m / 3.20 kg
00101634	15.0 mm	10 m / 3.71 kg
00101616	16.0 mm	10 m / 4.10 kg
00101685	18.0 mm	10 m / 5.25 kg
00101653	19.0 mm	10 m / 6.05 kg
00101654	20.0 mm	10 m / 6.40 kg
00101635	22.0 mm	10 m / 7.80 kg
00101632	25.4 mm	10 m / 10.00 kg

Manufactured upon request only. Please consult us.



T -200 °C to +300 °C	P 10 MPa (100 bar)		
S < 25 m/s	pH 0 - 14		

LATTY®flon 3207

PTFE

Cost-effective Packingfor Aggressive Environments

Packing made of 100% PTFE silk yarns, pre-treated with continuous graphite impregnationthen re-impregnated with a silicon lubricant.

Rotary machines.

All industries.

Article #		Description
42956	5.0 mm	25 m / 1.05 kg
42957	6.0 mm	20 m / 1.16 kg
42959	8.0 mm	15 m / 1.47 kg
42960	9.5 mm	12 m / 1.76 kg
42961	10.0 mm	12 m / 1.89 kg
55981	11.0 mm	11 m / 1.98 kg
42962	12.0 mm	11 m / 2.47 kg
42963	12.7 mm	11 m / 2.80 kg
42964	14.0 mm	10 m / 3.20 kg
55982	15.0 mm	10 m / 3.71 kg
42965	16.0 mm	10 m / 4.10 kg
46924	18.0 mm	10 m / 5.25 kg
45219	19.0 mm	10 m / 6.05 kg
43003	20.0 mm	10 m / 6.40 kg
46925	22.0 mm	10 m / 7.80 kg
44116	25.4 mm	10 m / 10.90 kg

Manufactured upon request only. Please consult us.



T -30 °C to +220 °C	P 5 MPa (50 bar)		
	pH 0 - 14		

LATTY®flon TANKLID 8505

PTFE

The Tank Lid Seal

Packing consisting of a fluorocarbon-elastomer core covered with a plaited sleeve of impregnated and lubricated PTFE yarns.

Static applications, tank lid and coaming seals.

Storage and transport, all kind of fluids.

Limitation: do not use with ketones and esters.

**Manufactured
upon request only.**

Please consult us.



New

T -50 °C to +260 °C		P 10 MPa (100 bar)	
S 20 m/s		pH 2 - 13	

LATTY®flon 5790

SYNTHETIC

Long service life = reduced operating cost

LATTY®flon 5790 is a packing with excellent resistance to wear in rotation.

The yarns and fibres used in LATTY®flon 5790 are new. With their very high mechanical resistance, whilst being less abrasive than commonly used Yarns.

The yarns are impregnated with **silicone-free** lubricant to the core prior to plaiting with our patented FILCOAT process.

With its outstanding sliding properties, this specific lubricant enhances abrasion resistance.

The low friction coefficient ensures significant energy savings.

Rotary machines.

All industries. Requirements of the paper industry.

Article #		Description
80361	6 mm	12 m / 0.690 kg
80362	8 mm	12 m / 1.150 kg
80363	10 mm	9 m / 1.350 kg
80364	12 mm	9 m / 1.940 kg
80365	12.7 mm	9 m / 2.180 kg
80366	14 mm	6 m / 1.760 kg
80367	16 mm	6 m / 2.300 kg
80369	20 mm	6 m / 3.600 kg



T -50 °C to +260 °C		P 10 MPa (100 bar)	
S 10 m/s		pH 1 - 13	

LATTY®flon 2775

SYNTHETIC

Valve Applications < 250 °C

Packing made of special polyacrylic yarns. Each single yarn is impregnated with PTFE using our exclusive 'Filcoat'-process.

The packing is then re-impregnated with a PTFE mix during plaiting operation.

Low-pressure valves.

All chemicals, hydrocarbons.

Limitation: strong acids and bases.

Article #		Description
43924	6.0 mm	20 m / 0.91 kg
43925	8.0 mm	15 m / 1.24 kg
41711	10.0 mm	12 m / 1.60 kg
43928	12.0 mm	11 m / 2.07 kg
43929	12.7 mm	11 m / 2.32 kg
41713	14.0 mm	10 m / 2.57 kg
43930	16.0 mm	10 m / 3.32 kg

Manufactured upon request only. Please consult us.



T -50 °C to +260 °C		P 10 MPa (100 bar)	
S 15 m/s		pH 1 - 13	

LATTY®flon 2790

SYNTHETIC

Pure, White and Cost-effective Packing

Packing made of special polyacrylic yarns. Each single yarn is impregnated with PTFE using our exclusive 'Filcoat'-process.

The packing is then re-impregnated during plaiting operation in a bath consisting of PTFE mixed with inert lubricants.

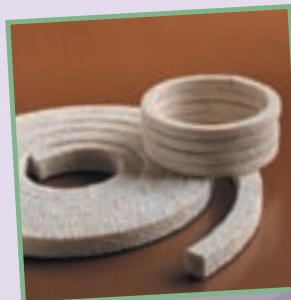
Pumps.

All chemicals, hydrocarbons.

Limitation: strong acids and bases.

Article #		Description
00101431	6.0 mm	20 m / 0.99 kg
00101458	6.35 mm	20 m / 1.110 kg
00101430	8.0 mm	15 m / 1.35 kg
00101422	9.5 mm	12 m / 1.50 kg
00101435	10.0 mm	12 m / 1.73 kg
00101440	11.0 mm	11 m / 1.92 kg
00101423	12.0 mm	11 m / 2.25 kg
00101410	12.7 mm	11 m / 2.53 kg
00101424	14.0 mm	10 m / 2.80 kg
00101433	16.0 mm	10 m / 3.60 kg
00101442	19.0 mm	10 m / 4.70 kg
00101434	20.0 mm	10 m / 5.20 kg
00101443	22.0 mm	10 m / 6.13 kg
00101444	25.4 mm	10 m / 8.06 kg

Manufactured upon request only. Please consult us.



T -50 °C to +260 °C		P 10 MPa (100 bar)	
S 15 m/s		pH 1 - 13	

LATTY®flon 2790 AL

SYNTHETIC

White Packing for Food Industry

Packing made of special polyacrylic yarns. Each single yarn is impregnated with PTFE using our exclusive 'Filcoat'-process. The packing is then re-impregnated during plaiting operation in a bath consisting of PTFE mixed with a foodquality silicone lubricant.

Pumps.

All fluids in food industry, drinking water distribution, chemical industries.

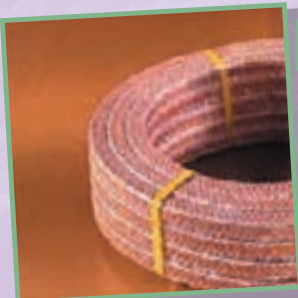
Limitation: strong acids and bases.





Approval: WRC (drinking water).

Article #		Description
63520	4.0 mm	35 m / 0.84 kg
63521	5.0 mm	25 m / 0.81 kg
37964	6.0 mm	20 m / 0.96 kg
34259	6.35 mm	20 m / 1.05 kg
34260	8.0 mm	15 m / 1.25 kg
36959	9.5 mm	12 m / 1.44 kg
34261	10.0 mm	12 m / 1.56 kg
34262	11.0 mm	11 m / 1.72 kg
34263	12.0 mm	11 m / 2.10 kg
34264	12.7 mm	11 m / 2.32 kg
40845	14.0 mm	10 m / 2.53 kg
34265	16.0 mm	10 m / 3.30 kg
37729	19.0 mm	10 m / 4.60 kg
40847	20.0 mm	10 m / 5.20 kg

Manufactured upon request only. Please consult us.

Weights, given for information purposes, are not contractual. The maximum temperature, pressure and speed given in this document cannot be associated in any case. Unless otherwise requested and explained and validated by our technical services, all our stamped rings are manufactured according to our manufacturing standards.



			
T -220 °C to +300 °C	P 20 MPa (200 bar)	S 20 m/s	pH 1 - 13

LATTY®flon 7188

SYNTHETIC


The 'Plus Points' of a Composite Yarn

Packing made of composite phenolic yarns, reimpregnated during plaiting operation with PTFE mixed with an inert lubricant.

Very good mechanical properties combining softness and strength.





Rotary and reciprocating applications.

Miscellaneous fluids, abrasive fluids, slurries.

Article #		Description
00101727	6.0 mm	20 m / 1.10 kg
25735	6.35 mm	20 m / 1.230 kg
00101728	8.0 mm	15 m / 1.43 kg
00101729	9.5 mm	12 m / 1.62 kg
00101730	10.0 mm	12 m / 1.72 kg
25622	11.0 mm	11 m / 2.040 kg
00101731	12.0 mm	11 m / 2.40 kg
00101732	12.7 mm	11 m / 2.62 kg
22222	14.0 mm	10 m / 2.92 kg
00101734	16.0 mm	10 m / 3.92 kg
00101742	18.0 mm	10 m / 4.75 kg
00101735	19.0 mm	10 m / 5.12 kg
00101736	20.0 mm	10 m / 5.79 kg
00101737	22.0 mm	10 m / 6.87 kg
22223	25.4 mm	10 m / 8.68 kg

Manufactured upon request only. Please consult us.



			
T -50 °C to +260 °C	P 10 MPa (100 bar)	S 15 m/s	pH 1 - 13

LATTY®tex 2761

SYNTHETIC


Cost-effective Graphited Packing

Packing made of special polyacrylic yarns. Each single yarn is impregnated with PTFE using our exclusive 'Filcoat'-process.




The packing is then re-impregnated during plaiting operation in a bath consisting of graphite mixed with special lubricants.

Rotating machines, low-pressure valves.

All moderately aggressive fluids.

Article #		Description
00101758	4.0 mm	47 m / 1.17 kg
00101759	5.0 mm	35 m / 1.29 kg
00101760	6.0 mm	30 m / 1.47 kg
00101762	8.0 mm	15 m / 1.30 kg
00101763	9.5 mm	12 m / 1.50 kg
00101764	10.0 mm	12 m / 1.65 kg
00101765	11.0 mm	11 m / 1.70 kg
00101766	12.0 mm	11 m / 2.21 kg
00101767	12.7 mm	11 m / 2.51 kg
00101768	14.0 mm	10 m / 2.60 kg
00101769	15.0 mm	10 m / 2.90 kg
00101770	16.0 mm	10 m / 3.45 kg
00101771	18.0 mm	10 m / 4.34 kg
00101772	19.0 mm	10 m / 4.58 kg
00101773	20.0 mm	10 m / 5.37 kg
00101774	22.0 mm	10 m / 6.10 kg
00101775	25.4 mm	10 m / 8.20 kg
00101778	30.0 mm	10 m / 11.77 kg



			
T -200 °C to +600 °C	P 30 MPa (300 bar)	S 35 m/s	pH 0 - 14

LATTY®graf T

CARBON-GRAPHITE

The Reference Packing for Extreme Conditions Pressure - Speed - Temperature - pH


Packing made of 100% pure graphite continuous yarns, impregnated with a graphite mix.

Very low friction coefficient, good heat dissipation, outstanding elastic recovery.

Feed pumps.





All fluids, power stations, etc.

Limitation: precautions in oxidising environment.

Article #		Description
00100510	6.0 mm	20 m / 0.66 kg
00100512	8.0 mm	15 m / 0.82 kg
00100513	10.0 mm	12 m / 0.96 kg
00100514	11.0 mm	11 m / 1.10 kg
00100515	12.0 mm	11 m / 1.38 kg
00100516	12.7 mm	11 m / 1.60 kg
00100518	16.0 mm	10 m / 2.23 kg
00100521	20.0 mm	10 m / 3.63 kg

Manufactured upon request only. Please consult us.



			
T -200 °C to +550 °C	P 30 MPa (300 bar)	S 35 m/s	pH 0 - 14

LATTY®graf TSP

CARBON-GRAPHITE

High Elasticity - Low Friction


Packing made of carbon continuous yarns, impregnated with a graphite mix.

Very low friction coefficient, outstanding elastic recovery.

High-speed pumps.

All fluids, power stations, etc.

Limitation: precautions in oxidising environment.

Article #		Description
00100593	6.0 mm	20 m / 0.60 kg
00100594	8.0 mm	15 m / 0.78 kg
00100595	10.0 mm	12 m / 1.02 kg
00100596	11.0 mm	11 m / 0.940 kg
00100597	12.0 mm	11 m / 1.32 kg
00101023	12.7 mm	11 m / 1.48 kg
00100599	16.0 mm	10 m / 2.05 kg

Manufactured upon request only. Please consult us.



T -200 °C to +600 °C	P 30 MPa (300 bar)	S 25 m/s	pH 0 - 14

LATTY® graf 6785

CARBON-GRAPHITE

High Temperature Dynamic Applications

Packing made of carbon yarns, impregnated with a graphite mix.

Pumps and valves.

All fluids, chemical and petrochemical industries, power stations.

Limitation: precautions in oxidising environment.

Article #		Description
22214	4.0 mm	35 m / 0.60 kg
22215	5.0 mm	25 m / 0.65 kg
00101921	6.0 mm	20 m / 0.71 kg
57985	6.35 mm	20 m / 0.800 kg
00101898	8.0 mm	15 m / 0.98 kg
22216	9.5 mm	12 m / 1.10 kg
00101900	10.0 mm	12 m / 1.20 kg
00101901	12.0 mm	11 m / 1.54 kg
00101914	12.7 mm	11 m / 1.68 kg
00101920	14.0 mm	10 m / 2.00 kg
00101902	16.0 mm	10 m / 2.56 kg
22217	19.0 mm	10 m / 3.50 kg
00101903	20.0 mm	10 m / 3.95 kg
00101725	25.4 mm	10 m / 6.36 kg

Manufactured upon request only. Please consult us.



T -50 °C to +260 °C	P 10 MPa (100 bar)	S 25 m/s	pH 1 - 13

LATTY® graf 6970

CARBON-GRAPHITE

The Expanded Graphite Packing for Dynamic Applications

Packing made of industrial-quality expanded graphite yarns, impregnated with a mix of PTFE and inert lubricant.

Rotary applications.

All non abrasive fluids.

Recommendation: use preferably with antiextrusion rings.

Limitation: precautions in oxidising environment.

Article #		Description
50666	6.0 mm	20 m / 1.08 kg
50667	8.0 mm	15 m / 1.37 kg
50668	9.5 mm	12 m / 1.50 kg
50669	10.0 mm	12 m / 1.62 kg
50670	12.0 mm	11 m / 2.10 kg
50671	12.7 mm	11 m / 2.25 kg
50672	14.0 mm	10 m / 2.60 kg
51185	15.0 mm	10 m / 2.95 kg
50673	16.0 mm	10 m / 3.35 kg
50674	19.0 mm	10 m / 5.30 kg
50675	20.0 mm	10 m / 5.80 kg
50676	25.4 mm	10 m / 8.26 kg
51186	30.0 mm	10 m / 11.70 kg

Manufactured upon request only. Please consult us.



T -200 °C to +650 °C	P 40 MPa (400 bar)	S 1 m/s	pH 0 - 14

LATTY® graf 6940

CARBON-GRAPHITE

The Performances of Expanded Graphite with the Benefits of Packing No More Tools Necessary!

Packing made of expanded graphite yarns reinforced with Inconel wires and coated with a graphite-based mix. LATTY® graf 6940 contains a corrosion inhibitor to protect the valve stem and the stuffing box.

This special structure withstands high pressures without graphite extrusion.

High-performance valves.

Thermal oils and all high-temperature fluids, power stations, refineries, boiler plants, etc.

Limitation: precautions in oxydising environment.

Approval: BAM (oxygen), amended fire test API 607.

Article #		Description
32117	3.0 mm	12 m / 0.22 kg
32118	4.0 mm	12 m / 0.32 kg
43825	5.0 mm	12 m / 0.52 kg
32120	6.0 mm	12 m / 0.66 kg
43859	6.35 mm	12 m / 0.73 kg
47350	7.0 mm	12 m / 0.94 kg
32122	8.0 mm	12 m / 1.15 kg
32123	9.5 mm	9 m / 1.22 kg
32124	10.0 mm	9 m / 1.30 kg
43826	11.0 mm	9 m / 1.53 kg
32125	12.0 mm	9 m / 1.88 kg
32126	12.7 mm	9 m / 1.98 kg
32127	14.0 mm	6 m / 1.56 kg
32128	16.0 mm	6 m / 1.90 kg
43827	18.0 mm	6 m / 2.25 kg
43828	19.0 mm	6 m / 2.64 kg
43829	20.0 mm	6 m / 2.86 kg
43830	22.0 mm	6 m / 3.40 kg
43831	25.4 mm	6 m / 4.63 kg

Boxes containing of 12 m are made of 2 lengths of 6 m each.



T -200 °C to +600 °C	P 40 MPa (400 bar)		
S 1 m/s	pH 0 - 14		

LATTY®graf 6940 EF

CARBON-GRAPHITE

Fugitive Emission Applications

Packing made of expanded graphite yarns reinforced with Inconel wires, coated with a graphite-based mix doped with a frictionenhancing agent.

LATTY®graf 6940 EF contains a corrosion inhibitor to protect the valve stem and the stuffing box.

Fugitive emission valves.

Thermal oils and all high-temperature fluids, power stations, refineries, boiler plants, etc.

Recommendation: LATTY®graf 6940 EF is recommended as anti-extrusion rings in mixed assemblies with LATTY®graf 6960 EF, LATTY®graf EFA or LATTY®flon 3260 LM.

Limitation: precautions in oxidising environment.

Tested in compliance with the draft standard ISO 15848 on fugitive emissions. Leak < 500 ppm.

Approval: TÜV (VDI 2440)

Article #		Description
58549	4.0 mm	12 m / 0.34 kg
62788	5.0 mm	12 m / 0.55 kg
58545	6.0 mm	12 m / 0.69 kg
62781	6.3 mm	12 m / 0.77 kg
58546	8.0 mm	12 m / 1.21 kg
62782	9.5 mm	9 m / 1.25 kg
58547	10.0 mm	9 m / 1.33 kg
62787	11.0 mm	9 m / 1.55 kg
62783	12.0 mm	9 m / 1.92 kg
62784	12.7 mm	9 m / 2.02 kg
62785	14.0 mm	6 m / 1.59 kg
62786	16.0 mm	6 m / 1.98 kg
71947	18.0 mm	6 m / 2.48 kg

Boxes containing of 12 m are made of 2 lengths of 6 m each.



T -200 °C to +600 °C	P 40 MPa (400 bar)		
S 1 m/s	pH 0 - 14		

LATTY®graf 6118

CARBON-GRAPHITE

Valve Stem Sealing > 250°C MP or HP Steam

Packing made of an exclusive **LATTY®** yarn - high-strength carbon fibres and Inconel fibrils intimately mixed - and expanded graphite yarns. The packing is then impregnated and coated with a graphitebased mix.

LATTY®graf 6118 contains a corrosion inhibitor.

High-performance valves.

Thermal oils and all high-temperature fluids, power stations, refineries.

Limitation: precautions in oxydising environment.

Article #		Description
32092	3.0 mm	40 m / 0.58 kg
32093	4.0 mm	30 m / 0.60 kg
32094	5.0 mm	20 m / 0.68 kg
32095	6.0 mm	20 m / 0.98 kg
32096	6.35 mm	20 m / 1.08 kg
25715	8.0 mm	15 m / 1.26 kg
25716	9.5 mm	12 m / 1.51 kg
25717	10.0 mm	12 m / 1.62 kg
27754	11.0 mm	11 m / 1.80 kg
25718	12.0 mm	11 m / 2.02 kg
25719	12.7 mm	11 m / 2.20 kg
25720	14.0 mm	10 m / 2.55 kg
25721	16.0 mm	10 m / 3.10 kg
25749	19.0 mm	10 m / 4.40 kg

Manufactured upon request only. Please consult us.

Boxes containing from 20 to 40 m are made of multiples of 10 m lengths.



T -200 °C to +450 °C	P 30 MPa (300 bar)		
S 12 m/s	pH 0 - 14		

LATTY®graf 6960

CARBON-GRAPHITE

Expanded Graphite Technology and Cost-effectiveness

Packing made of industrial-quality expanded graphite yarns, coated with a graphite mix.

LATTY®graf 6960 contains a corrosion inhibitor to protect the valve stem and the stuffing box.

Multipurpose packing for valves and rotary applications.

All non abrasive fluids.

Recommendation: use preferably with antiextrusion rings.

Limitation: precautions in oxidising environment.

Article #		Description
50647	4.0 mm	12 m / 0.22 kg
50648	5.0 mm	12 m / 0.31 kg
50651	6.0 mm	12 m / 0.44 kg
50652	6.35 mm	12 m / 0.49 kg
50653	8.0 mm	12 m / 0.80 kg
50654	9.5 mm	9 m / 0.83 kg
50655	10.0 mm	9 m / 0.94 kg
50656	11.0 mm	9 m / 1.12 kg
50689	12.0 mm	9 m / 1.36 kg
50657	12.7 mm	9 m / 1.49 kg
50658	14.0 mm	6 m / 1.26 kg
51187	15.0 mm	6 m / 1.36 kg
50659	16.0 mm	6 m / 1.40 kg
50660	18.0 mm	6 m / 1.74 kg

Boxes containing of 12 m are made of 2 lengths of 6 m each.



T -200 °C to +450 °C	P 30 MPa (300 bar)	S 12 m/s	pH 0 - 14

LATTY®graf 6960 EF

CARBON-GRAPHITE

Fugitive Emission Applications

Packing made of industrial-quality expanded graphite yarns, coated with a graphite mix doped with a friction-enhancing agent.

LATTY®graf 6960 EF contains a corrosion inhibitor to protect the valve stem and the stuffing box.

Fugitive emission valves.

All non abrasive fluids. Refineries, petrochemical plants.

*Recommendation: use **LATTY®graf 6960 EF** in combination with **LATTY®graf 6940 EF** as antiextrusion rings.*

Limitation: precautions in oxidising environment.

Tested in compliance with the draft standard ISO 15848 on fugitive emissions. Leak < 500 ppm.

Article #		Description
62795	4.0 mm	12 m / 0.24 kg
62796	5.0 mm	12 m / 0.34 kg
62797	6.0 mm	12 m / 0.48 kg
62798	6.3 mm	12 m / 0.53 kg
62799	8.0 mm	12 m / 0.85 kg
62800	9.5 mm	9 m / 0.88 kg
62801	10.0 mm	9 m / 0.99 kg
62802	12.0 mm	9 m / 1.42 kg
62803	12.7 mm	9 m / 1.58 kg
62804	14.0 mm	6 m / 1.30 kg

Boxes containing of 12 m are made of 2 lengths of 6 m each.



T -200 °C to +500 °C	P 30 MPa (300 bar)	S 2 m/s	pH 0 - 14

LATTY®graf 6965

CARBON-GRAPHITE

Expanded Graphite Technology and Cost-effectiveness

Packing made of an expanded graphite yarn of industrial quality, impregnated with a graphite-based mix and reinforced with a nickel-chrome alloy.

Valve applications.

All fluids.

Limitation: precautions in oxidising environment.

Article #		Description
60398	4.0 mm	12 m / 0.26 kg
60396	6.0 mm	12 m / 0.56 kg
60395	6.3 mm	12 m / 0.59 kg
60394	8.0 mm	12 m / 0.90 kg
60393	9.5 mm	9 m / 0.94 kg
60392	10.0 mm	9 m / 0.99 kg
60391	11.0 mm	9 m / 1.20 kg
60390	12.0 mm	9 m / 1.27 kg
60389	12.7 mm	9 m / 1.49 kg
60388	14.0 mm	6 m / 1.17 kg
60387	16.0 mm	6 m / 1.52 kg

Manufactured upon request only. Please consult us.

Boxes containing of 12 m are made of 2 lengths of 6 m each.



T -40 °C to +120 °C	P 40 MPa (400 bar)	S 15 m/s	pH 4 - 11

LATTY®flon 1779

VEGETABLE

Cost-effectiveness and Performance

Packing made of anti-rot high-quality ramie yarns, impregnated with a mix of PTFE and inert lubricant during plaiting operation.

Rotary, reciprocating pumps, hydraulic presses, ships' propeller shaft seals.

Clean fluids or slurries, salt water, emulsified water, oils, hydrocarbons, solvents, paper pulp.

Article #		Description
00100116	4.0 mm	35 m / 0.77 kg
00100118	6.0 mm	20 m / 1.00 kg
33980	6.35 mm	20 m / 1.120 kg
00100119	8.0 mm	15 m / 1.28 kg
00100844	9.5 mm	12 m / 1.44 kg
00100120	10.0 mm	12 m / 1.60 kg
00100122	12.0 mm	11 m / 2.07 kg
00100123	12.7 mm	11 m / 2.31 kg
00100124	14.0 mm	10 m / 2.55 kg
00100125	16.0 mm	10 m / 3.40 kg
00100126	18.0 mm	10 m / 4.20 kg
00100127	20.0 mm	10 m / 5.30 kg
00100128	22.0 mm	10 m / 6.50 kg

Manufactured upon request only. Please consult us.



T -40 °C to +60 °C	P 1 MPa (10 bar)		
S 6 m/s	pH 5 - 9		

LATTY®tex 14

VEGETABLE

Packing for Cold Water Applications

Plaited packing made of cotton yarns, impregnated with a mix of tallow and mica.

Reciprocating and rotary applications.

Hydraulic applications up to 60° C.

Article #	Ø	Description
00100024	6.0 mm	30 m / 1.16 kg
00100025	8.0 mm	15 m / 0.99 kg
00100026	10.0 mm	12 m / 1.30 kg
00100027	12.0 mm	11 m / 1.61 kg
37635	12.7 mm	11 m / 1.93 kg
00100028	14.0 mm	10 m / 2.15 kg
00100029	16.0 mm	10 m / 2.68 kg
34614	19.0 mm	10 m / 3.85 kg
00100031	20.0 mm	10 m / 4.15 kg
00100032	22.0 mm	10 m / 4.96 kg

Manufactured upon request only. Please consult us.



T 850 °C (max.)	P 10 MPa (100 bar)		
S 0.2 m/s	pH 2 - 13		

HEPHAISTOS® 2000 T

MINERAL

High Fire Resistance

Plaited packing made of high-temperature treated glass fibres reinforced with nickel-chrome wires and impregnated with a mica-based mix.

Hot air valve sealing on oven doors, heaters, burners.

High-temperature applications, various insulations.

Article #	Ø	Description
60589	6.0 mm	20 m
60590	8.0 mm	15 m
60591	10.0 mm	12 m
60592	12.0 mm	11 m
60593	12.7 mm	11 m
60594	14.0 mm	10 m
60595	16.0 mm	10 m
60596	20.0 mm	10 m

Manufactured upon request only. Please consult us.



T 850 °C			
	pH 2 - 13		

HEPHAISTOS® 2000 G

MINERAL

Insulating Bolster 850 °C

Flexible sleeve braided with glass fibres, treated high-temperature, reinforced with a yarn made of nickel-chrome alloy, around a core containing high-temperature carded glass fibres and natural fibres.

Outstanding thermal insulation capacity, high resistance to thermal shocks, good phonic insulation properties.

High-temperature applications, insulation, expansion joint.

Oven doors, burner nozzles, fireproof joints.

Article #	Ø	Description
61167	5.0 mm	350 m
61168	6.0 mm	250 m
61169	8.0 mm	200 m
61170	10.0 mm	200 m
61171	12.0 mm	125 m
61172	15.0 mm	75 m
61173	20.0 mm	50 m
61174	25.0 mm	40 m
61166	30.0 mm	25 m
61175	50.0 mm	15 m



T up to 3 000 °C

Expanded Graphite Tape

MAINTENANCE

High-purity expanded graphite without binder.
Temperature resistant up to 3 000°C (in inert atmosphere).
Very low friction coefficient, very high self-lubricating capability, good chemical inertia and high thermal conductivity.

LATTY®graf E:

99.85% pure expanded graphite (nuclear quality).
Density: 0.7 - Thickness: 0.5 mm.
For use as compressed sealing rings.
BAM-approved (oxygen).

LATTY®graf E1:

99.85% pure expanded graphite (nuclear quality) with a finely dispersed zinc metallic inhibitor.
Density: 0.9 - Thickness: 0.5 mm.
For use as compressed sealing rings.

LATTY®graf E2:

98% pure expanded graphite.
Density: 0.7 - Thickness: 0.5 mm.
For use as compressed sealing rings.
DSGW-approved (gas).

LATTY®graf E2 Adhesive:

98% pure expanded graphite with a one side adhesive coating.
Density: 0.7 - Thickness: 0.5 mm.
Allows on-site fabrication of quality gaskets.

LATTY®graf E2 P:

≥ 99% pure expanded graphite.
Density: 0.7 (standard ribbon)
Phosphate corrosion inhibitor.

LATTY®graf EBST:

≥ 98% pure expanded graphite.
Density: 0.9 (standard ribbon)
Stamped ring application – Nuclear fittings.
Approval: PMUC 17-292.

Article #		Description
05106212	12.5 mm	20 m
05106225	25.0 mm	20 m
05156212	12.5 mm	20 m
05156225	25.0 mm	20 m
05196212	12.5 mm	20 m
05196225	25.0 mm	20 m
05116120	20.0 mm	10 m
Please consult us.		
Please consult us.		



Tools

MAINTENANCE

Tools for Maintenance

- Ring-cutting tool, packing cutter: eases the cutting of packing rings to the exact length thus minimizing cutting errors.
Easy to use. Dimensional reliability. Clean cuts. Economical use.
- Flexible and rigid packing extractors with fixed or removable tips.
The size and robustness of extractors enable quick removal of even the most inaccessible packing rings.

Article #		Description
49060026	LI 200	Small Packing Cutter
49060025	LI 25	Knife
49060047	FD 6	2 Flexible Units + 5 Spares
49060048	FD 10	2 Flexible Units + 5 Spares
49060049	FD 14	2 Flexible Units + 5 Spares
49060050	RD 6	2 Rigid Units + 5 Spares
49060051	RD 10	2 Rigid Units + 5 Spares
49060052	RD 14	2 Rigid Units + 5 Spares
49060053	E 6	10 Spares
49060054	E 10	10 Spares
49060055	E 14	10 Spares
49060040	FF 4	2 Flexible Units
49060031	FF 16	2 Flexible Units
49060032	FF 20	2 Flexible Units
49060041	FF 25	2 Flexible Units
49060045	RF 16	2 Rigid Units
49060046	RF 20	2 Rigid Units



LATTY® Live Loading System

LATTY®LLS

MAINTENANCE

LATTY® Live Loading System is a pre-locked energy device for the application of designed load to be transmitted by the gland follower to a stuffing box packing system.

Can be used on Valves, slow rotating equipment and flanges, eradicating the need for any measurement tools to accurately apply a designed load.

Sealing efficiency resulting in increased reliability gives the longest possible emission-free and attention-free service life for the equipment.

Please contact us for sections not shown in the tables.

Weights, given for information purposes, are not contractual. The maximum temperature, pressure and speed given in this document cannot be associated in any case. Unless otherwise requested and explained and validated by our technical services, all our stamped rings are manufactured according to our manufacturing standards.