

BURGMANN®

The Name for Sealing Technology.



Stuffing Box Packings

for Dynamically
Sealing Pump Shafts,
Valve Spindles,
Plungers, Agitators,
Fans etc.

Static Seals

for Flanges and
Flange-type Connections,
Lids, Covers etc.
for all Sectors of Industry.

Stuffing box packings

Buraflex®

2000

Due to the good characteristics of its base materials, Buraflex® is the pump packing for high temperature (+280 °C) and very high sliding velocities (up to 40 m/s). Its outstanding sliding properties also reduce friction considerably when installed in valves, e.g. control valves. Suitable also for agitators, mixers, kneaders, refiners etc. Because of the universal properties the packing is excellently suited for standardization of entire industrial sectors.

Please note:

Buraflex® 2000 cannot be used in plunger pumps. The maximum cutting overlength is limited to 3%.

Design:

Braided packing made from permanently elastic, pure graphite foil combined with a high-performance lubricant. Quality features are outstanding cross-sectional density, mechanical strength and high thermal conductivity. The Buraflex® 2000 is gentle on shaft surfaces and does not tend to harden.

Stock dimensions

Ø mm	Ø inch	m/kg (approx.)	ft/lb (approx.)
5	3/16"	30.8	45.8
6		19.6	29.2
8	5/16"	11.9	17.7
9.5	3/8"	8.9	13.2
10		7.1	10.6
12		4.9	7.3
12.7	1/2"	4.7	6.9
14		3.8	5.7
16		3.4	5.1
18		2.4	3.6
19	3/4"	1.9	2.8
20		1.91	2.8
22		1.65	2.4
25	1"	1.2	1.8

Buratex

4002

For sealing stern tubes and rudder posts, with seawater resistant impregnation. The non-plus marine packing. Flexible, easy to handle, unmistakable due to its special red impregnation.

Description

Pre-impregnated, twisted cotton yarns, intensively reimpregnated during braiding. An economical packing for the limits of application stated.

Stock dimensions

8, 10, 12, 14, 16, 20 mm □

4001

Cotton packing with grease/graphite impregnation. Resistant to water.

Setup, braiding and stock dimensions as for item no. 4002.

4003

Cotton packing with light special grease impregnation. To be used preferably with clean media. For description and braiding refer to item no. 4002.

Stock dimensions

Ø mm	Ø inch	m/kg (approx.)	ft/lb (approx.)
5	3/16"	36.0	53.6
6		25.0	37.2
8	5/16"	14.0	20.8
10		9.0	13.4
12		6.3	9.4
12.7	1/2"	5.6	8.3
14	9/16"	4.6	6.8
15		4.0	6.0
16	5/8"	3.6	5.4
18		2.8	4.2
20		2.3	3.4
22	7/8"	1.8	2.7
25	1"	1.4	2.1

Buraflon®

5846*)

For pumps, refiners, filters, valves in the brewing and beverages industry, ship building, etc. Especially resistant to abrasive media. Released by the FMFA, Stuttgart for use in the food stuffs and pharmaceutical industries.

Description

Ramie fibre with special PTFE impregnation. A flexible, readily controllable packing which requires little maintenance and treats shafts gently.

Stock dimensions

Ø mm	Ø inch	m/kg (approx.)	ft/lb (approx.)
4	1/8"	89.0	132.3
4	5/32"	50.0	74.35
5	3/16"	33.0	49.1
6		23.0	34.2
6.35	1/4"	19.8	29.4
7		16.3	24.2
8	5/16"	13.0	19.3
9.5	3/8"	8.5	12.7
10		6.0	11.9
12		5.5	8.2
12.7	1/2"	5.1	7.6
14	9/16"	4.2	6.2
15		3.7	5.5
16	5/8"	3.6	5.4
18		2.8	4.2
19	3/4"	2.22	3.3
20		2.3	3.4
22	7/8"	1.8	2.7
25	1"	1.4	2.1

Burasoft

6225/L*)

Flexible PTFE packing with good emergency running properties. For universal applications in centrifugal pumps, control valves and special applications in the chemical, foodstuffs and pharmaceutical industries.

Design

PTFE packing with lubricating additive.

Stock dimensions

Ø mm	Ø inch	m/kg (approx.)	ft/lb (approx.)
6		16.0	23.8
8	5/16"	9.0	1.4
10		5.9	8.8
12		4.0	5.9
16	5/8"	2.3	3.4
20		1.4	2.1

Hot water

6026*)

Universal, wear-resistant and gentle on shaft surfaces. Without cooling it can be used with hot water up to 160 °C, with cooling it can be used with hot water up to 207 °C. Particularly ideal for hot water, condensate and main coolant pumps (not illustrated).

Design

Shrink-proof synthetic yarn with a special heat-resistant, silicon-oil-free additive for high peripheral speeds.

Stock dimensions

Ø mm	Ø inch	m/kg (approx.)	ft/lb (approx.)
5	3/16"	30.8	45.8
8	5/16"	11.5	17.1
10		7.4	11.0
12		5.0	7.4
12.7	1/2"	4.46	
14	9/16"	3.7	5.5
16	5/8"	2.8	4.2
19	3/4"	2.13	3.16
20		1.92	2.85
25	1"	1.23	1.83

Thermoflon®

6230*)

Extremely wide range of uses in pumps (uncooled operation possible with hot water up to 160 °C), agitators, mixers and kneaders for all types of industry. Long life with good operating efficiency. Gentle treatment of shafts.

Approval:

Issued by FMFA, Stuttgart/Germany for the food industry.

Design:

Graphite-PTFE Compound with lubricant. Very good thermal conductivity. High flexibility and volumetric stability, no embrittlement or ageing. Universal resistance to chemicals with the exception of strongly oxidizing media such as oleum, fuming nitric acid and gaseous fluorine.

Stock dimensions

Ø mm	Ø inch	m/kg (approx.)	ft/lb (approx.)
4	5/32"	42.5	63.2
5	3/16"	27.0	40.2
6		19.0	28.3
6.35	1/4"	17.0	25.3
8	5/16"	11.0	16.4
9.5	3/8"	7.5	11.2
10		6.8	10.1
12		4.7	7.0
12.7	1/2"	4.2	6.2
14	9/16"	3.5	5.2
15		3.0	4.0
16	5/8"	2.7	4.0
18		2.0	3.0
19	3/4"	1.9	2.8
20		1.7	2.5
22	7/8"	1.4	2.1
25	1"	1.1	1.6

Thermoflon®-SL

6230/SL*)

Extremely wide field of use in all branches of industry. With hot water up to 140 °C non-cooled at max. 10 m/s and max. 16 bar. Extremely low coefficient of friction, no slip-stick effect. High cross-sectional density.

Description

PTFE/Graphite yarn and lubricant. High flexibility and stability of volume, the packing does not embrittle or age.

Buramex®-SF

6335*)

Universal, wear-resistant but shaft-sparing packing. Highly suitable for standardizing complete industrial sectors, such as, cellulose and paper, sugar, breweries, sewage water engineering and other areas, where a clean, economical and easy to assemble packing is desired.

Description

White, flexible synthetic fibre with a low percentage of lubricating agent, of compact braiding. High cross-sectional density and structural strength. Good sliding properties, physiologically safe. Without silicon oil.

Stock dimensions

Ø mm	Ø inch	m/kg (approx.)	ft/lb (approx.)
5	3/16"	30.0	44.6
6		21.0	31.2
6.35	1/4"	18.0	26.6
8	5/16"	12.0	17.8
9.5	3/8"	8.0	11.9
10		7.4	11.0
12		5.1	7.6
12.7	1/2"	4.7	7.0
14	9/16"	3.8	5.6
15		3.3	4.9
16	5/8"	2.9	4.3
18		2.3	3.4
19	3/4"	2.0	3.0
20		1.9	2.8
25	1"	1.2	1.8



Packing extractor 9611

A special tool, which is both popular and effective, for removing packings from pumps, agitators, valves, fittings, etc. A non-kinking flexible shaft, which will not stretch or compress under loads, facilitates the extraction of packings from even the least accessible stuffing-box. Our Packing Extractors have been approved many thousand times and they reduce the time required to change a packing to a fraction of the time previously needed. Available in 4 different sizes and lengths, individually or as set:

Bore Ø mm	Length of flexible shaft approx. mm
3.5	120
6	160
8	210
10	260

*) Available with AK-Profile.

Stock dimensions
8, 10, 12, 14, 16 mm □



Araflon®

6426*)

Universal packing with can be used for pumps and valves in all branches of industry, such as the chemical and petrochemical industries, sewage treatment, paper industry, etc. Especially suited for abrasive media. A non asbestos alternative for hot water applications, noncooled up to 160 °C. In view of the high stability of aramid fibres, we recommend, to prevent the wear of sliding surfaces, to use shafts with hard surfaces or protective sleeves – preferably 40–60 HRC.

Description

High-quality, smooth synthetic endless aramid fibres with PTFE impregnation and added lubricant. Extremely wear-resistant.

Stock dimensions

Ø mm	Ø inch	m/kg (approx.)	ft/lb (approx.)
6		19.0	28.3
8	5/16"	11.0	16.4
10		7.0	10.4
12		4.8	7.1
12.7	1/2"	4.3	6.4
14	9/16"	3.5	5.2
15		3.1	4.6
16	5/8"	2.7	4.0
18		2.1	3.1
20		1.75	2.6
22		1.42	2.12

Spezial-Kombi 2

6430/K2*)

For centrifugal pumps at high pressure and sliding velocities, as well as abrasive media.

Description

High-quality combination of PTFE with incorporated graphite and additional reinforcement of sliding surface of aramide yarn. Good sliding velocity and thermal conductivity. Specific gravity approx 1.5.

Stock dimensions

Ø mm	Ø inch	m/kg (approx.)	ft/lb (approx.)
8	5/16"	11.0	16.4
10		7.0	10.4
12		5.0	7.4
14	9/16"	3.6	5.4
16		2.81	4.19
20		1.8	2.68
25	1"	1.1	1.64



Isartherm®

6011/A

The Isartherm® ist the valve packing for high-temperature and pressure applications in power plants.

Description

High-temperature resistant graphite fibre packing with heat-resistant impregnation. High-cross-sectional density and structural strength. Resistant to wear.

Stock dimensions

Ø mm	Ø inch	m/kg (approx.)	ft/lb (approx.)
3	1/8"	79.4	118.1
4	5/32"	52.1	77.5
5	3/16"	33.3	49.5
6		23.1	34.3
6.35	1/4"	20.7	30.8
8	5/16"	13.0	19.3
9		10.3	15.3
9.5	3/8"	9.2	13.7
10		8.3	12.3
12		5.8	8.6
12.7	1/2"	5.2	7.7
16	5/8"	3.3	4.9
25	1"	1.3	1.9

Chemstar® L

6226/L

Universal PTFE packing, a preferred choice of the chemical industry and industry in general for valves (including high pressure duty), plunger pumps, agitators, mixers, kneaders, filters, etc. – up to approx. 2 m/s in dry-running mode.

Approvals

BAM certificate for gaseous oxygen up to 150 °C and 40 bar; >150 °C to 200 °C and 30 bar. Approved by FMPA, Stuttgart/Germany for the food industry.

Description

Sintered, highly stretched PTFE multifilament yarns with intensive PTFE impregnation. Good resistance to compression and to extrusion, high structural strength and cross-sectional density.

Stock dimensions

Ø mm	Ø inch	m/kg (approx.)	ft/lb (approx.)
3	1/8"	61.7	91.7
4	5/32"	35.0	52.1
5	5/16"	22.0	32.7
6		16.0	23.8
8	5/16"	9.0	13.4
10		5.6	8.3
11		4.6	6.8
12		3.9	5.8
12.7	1/2"	3.44	5.12
14		2.9	4.3
15		2.5	3.7
16	5/8"	2.2	3.3
18		1.7	2.5
19	3/4"	1.54	2.29
20		1.4	2.1
22	7/8"	1.15	1.7
25	1"	0.9	1.33

Thermoflon®-TR

6232

Used preferably in high-pressure applications (e.g. nuclear power plants), piston and metering pumps, agitators, kneaders and mixers. BAM approval for liquid and gaseous oxygen up to 40 °C and 65 bar and/or 200 °C and 50 bar. Approval of the FMPA, Stuttgart, FRG, for food applications.

Description

Highly pure PTFE incorporated with graphite without any antiseize or filling agents. The high thermal conductivity as compared to pure PTFE or aramide packings supports the start-up phase. No embritling, no ageing. The material is distinguished by its high stability of volume, its structural strength and the excellent cross-sectional density.

Stock dimensions

Ø mm	Ø inch	m/kg (approx.)	ft/lb (approx.)
5	3/16"	27.6	41.0
6		19.2	28.6
8	5/16"	10.8	16.1
10		6.9	10.3
12		4.8	7.1
16	5/8"	2.7	4.0
20	1"	1.8	2.7

Rotatherm® / Statotherm® graphite ... sealing material meeting the highest requirements

Advantages, properties

- Almost maintenance-free
- Permanently elastic, especially suitable for hot/cold cycles
- No hardening, no ageing
- Partly re-usable
- Excellent deformability
- Permanent resilience of abt. 10% of preloaded graphite seal thickness
- Fire safe test, short term up to +900 °C
- Low temperature test up to -196 °C
- Good thermal conductivity
- Electrical conductivity: short circuit
- High cross-sectional density, low helium leakage, e.g. Spiraltherm® to 1.7 · 10⁻³ mbar · l/s

Technical data

- Highly temperature resistant -200 °C to +550 °C (+3000 °C in reducing or inert environment)
- High operating pressures, up to abt. 1000 bar according to design
- Excellent chemical resistance, pH 0–14.



Packing ring cutter for pumps 9612

Special tool for cutting packings to the exact length up to shaft diameter of 110 mm.

Ensures the correct length by taking into account the packing cross-section. No waste of material. Packings are cut neither too long nor too short. Fast and easy handling. Enables an accurate butt joint to be made.

9612/G

Extension scale for packing ring cutter – for shafts up to 250 mm diameter.

Packing ring cutter for valves 9616

Special tool for cutting packing rings with a slanted cut for valves, mixers, kneaders (max. length 460 mm).



Packing Cartridge Units

9984

Packing cartridge units for agitators, mixers, kneaders, filters and pumps. They stand out for a simple structural design and a certain degree of robustness. Ideal for compensating large axial and radial movements and – depending on operating conditions and packing quality – suitable for dry running.

The selection of the packing quality depends on the media and the operating conditions. Burgmann packing cartridges are running successfully in various sectors of industry.

Isartherm®-Flex

6050

Universal low-chloride packing for valves and pumps in high pressure and high temperature duty. High flexibility and adaptability, wear-resistant yet gentle on valve stems. Particularly well suited for use in power stations and chemical plants. *Cannot be used as a cover seal/Brettschneider seal.*

Design

Braided packing made of expanded pure graphite with structural textile fibres.

6050 KIN

also available with Inconel® wire reinforcement and corrosion inhibitor.

Stock dimensions

Ø mm	Ø inch	m/kg (approx.)	ft/lb (approx.)
4	5/32"	48.1	71.5
5	3/16"	30.8	45.8
6		21.4	31.8
6.35	1/4"	20.7	30.8
7		15.7	23.4
8	5/16"	12.0	17.8
10		7.7	11.4
12		5.3	7.9
12.7	1/2"	5.2	7.73
14		3.9	5.8
15		3.39	
16	5/8"	3.0	4.5
18		2.4	3.6
19	3/4"	2.1	3.1
20		1.91	2.8
25	1"	1.22	18.0

New!
Fire safe according
API-589

6226/NQ

Nuclear quality in conformance with Siemens KWU specifications for reserve components in nuclear power plant valves. Quality control, on request with certificated verification according to agreed specifications.

Valve sealing set with Live Loading System to meet German Clean Air Act ("TA-Luft")

9650TA1

Where valves used to prevent gaseous leakage in applications involving liquid organic materials are concerned, TA-Luft (German Clean Air Act) specifies spindle sealing by means of bellows and downstream stuffing box or the like in order to be able to ensure leakage rates of less than 0.01 mg/s · m. In conjunction with the TA-Luft Live Loading System, the Burgmann 9650TA1 seal set achieves leakage rates to a power of ten less than the TA-Luft tolerance limit. Please inquire.

Rotatherm®

0901/B.*)

Pre-pressed stuffing box packing rings of pure graphite for valves.

*) Density stages

The density stage to be selected of Rotatherm® rings depends on the operating pressure.

Application

In pumps for hot water, heat transfer oils, etc. Dry-running pre-stuffing boxes, safety stuffing boxes and fans. Spindle seals in high-pressure/hot-steam valves in power and nuclear power plants, as well as in valves of all industrial branches, such as the chemical, petrochemical, pharmaceutical, food-stuff, paper, etc. industry.

0911/B.*)

Pre-pressed stuffing box packing rings in industrial quality (purity ≥ 98 %)

S881/B.*)

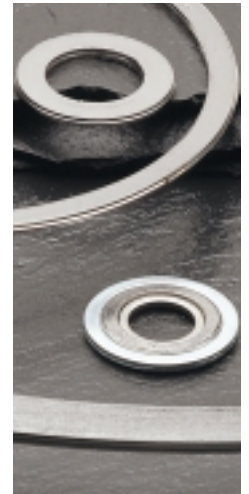
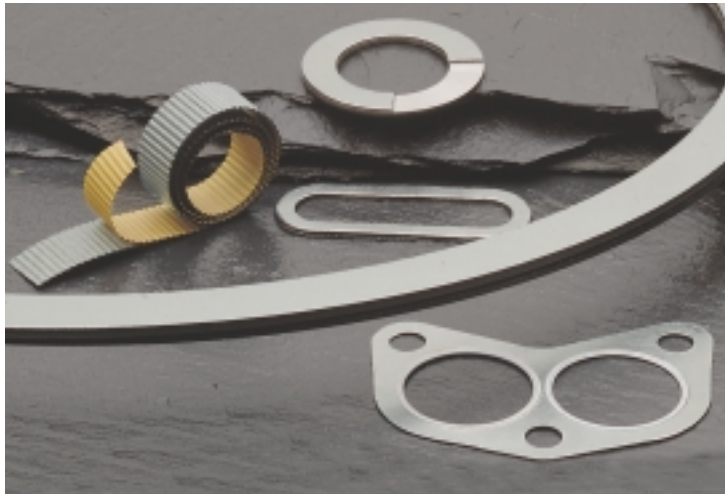
Metal-reinforced pre-pressed stuffing box rings of graphite ≥ 98 % – anti extrusion rings.

0902

Rotatherm® tape

High purity version in nuclear quality. Used for packaging valve spindles. Tape width (mm)/Tape length (m): 10/12; 15/12; 20/15; 25/15.

Static Seals



Buratherm®

9544/T

Gasketing sheet of graphite and high-quality aramide fibres with special anti-adhesion surface coating. Resistant to oils, water, weak acids and alkalis. Especially suitable for steam. Forms supplied: Boards, shaped parts. Standard sizes: Boards 2.000x1.500 mm, Thickness 1.5/2.0/3.0 mm. Approvals: KTW, WRC. Operating limits: $t = 350\text{ }^{\circ}\text{C}$, with superheated steam $360\text{ }^{\circ}\text{C}$ (up to $450\text{ }^{\circ}\text{C}$ for short time). $p = 100\text{ bar}$.

Burasil®

9544/U

Synthetic fibre sheet of aramide fibres, fillers and NBR rubber. Coated on both sides with PTFE. Resistant to aqueous solutions, various chemicals, fuels, oils, alkalis, acids, solvents and gaseous media. Application in the medium pressure and temperature ranges. Forms supplied: Boards, shaped parts. Standard sizes: Boards 1.500x1.500 mm, Thickness 0.3/0.5/1.0/1.5/2.0/3.0 mm. Approvals: DVGW, KTW, HTB, BAM. Operating limits: $t = 250\text{ }^{\circ}\text{C}$, with steam $220\text{ }^{\circ}\text{C}$ (up to $300\text{ }^{\circ}\text{C}$ for short time). $p = 120\text{ bar}$.

9544

Synthetic fiber board made of aramide fibers, fillers and NBR; with anti-stick coating on one side. Resistant with water/steam, aqueous solutions, acids, alkalis, oils/refrigerants, solvents and gases. Used preferably in the plant, apparatus and machine building sector, the chemical industry and plumbing (gas and water supply systems) in the low temperature and pressure range. Forms supplied: Boards, shaped parts. Standard sizes: Boards 1.500x1.500 mm, Thickness 0.5/1.0/1.5/2.0/3.0 mm. Approvals: DVGW, KTW, HTB. Operating limits: $t_{\text{max}} = 180\text{ }^{\circ}\text{C}$, (transient $250\text{ }^{\circ}\text{C}$); $p_{\text{max}} = 80\text{ bar}$

Important note:

Avoid the use of lubricants or separating agents with Burasil® or Buratherm® – it can lead to seal failure!

Statotherm® -gaskets

Item No.	Description	Purity % Density (g/cm ³)	Carrier material thickness (mm)	Seal thickness s (mm)
9590-P 9591	Statotherm® sheet Gaskets made of 9590-P	> 99.8	1.0 ohne	0.5; 1.0; 1.5; 2.0
9590-IP 9591-I	Statotherm® sheet with impregnation Gaskets made of 9591/P	> 98.0	1.0 ohne	1.0; 1.5; 2.0
9593-1P 9593-1F 9593-1B 9593-1S 9593-2	Statotherm® sheet with smooth metal carrier Gaskets made of 9593-1P Statotherm® sheet with smooth metal carrier Segments made of 9590-P Gaskets made of 9590-P w. stainl. steel carrier	> 9.0 > 98.0	1.0 1.0 1.4401 on request	0.05 1.0; 1.5; 2.0; 3.0; 4.0 1.0; 1.5; 2.0; 3.0 on request
9593-5P 9593-5	Statotherm® sheet with punched metal carrier and impregnation Gaskets made of 9593-6P	> 98.0	1.0 1.4401	0.1 1.0; 1.5; 2.0; 3.0
9593-6P 9593-6 9593/6B	Statotherm® sheet with punched metal carrier Gaskets made of 9593-6P Statotherm® sheet with punched metal carrier	> 98.0 > 99.0	1.0 1.0 1.4301	0.1 1.0; 1.5; 2.0; 3.0
9593/HD 9593-HDR	Statotherm® sheet with smooth metal carrier (no adhesive for high pressure) Seals made of 9593-HD	> 99.8	1.0 1.4401	0.05 1.0; 1.5; 2.0; 3.0; 4.0

Standard sheet size: 1000 x 1000 mm

Statotherm® gaskets, shaped parts and special gasket made of graphite: See "Valve Packings" for a description of the material, its operating limits, resistance to media, approvals, etc. Statotherm® is an universal solution wherever high temperatures and pressures coincide with aggressive media (pH 0-14). Pipelines, flanges, handholes, flange connections on pumps, valves, gate valves, ball valves etc. used in conjunction with steam, gases, oils, aggressive media etc. in all industrial fields.

9593 MKN

Manhole-cover-gasket which can be used universally in direct flow of seating loads as well as in indirect line of seating loads for all pressure classes. Once mounted it does not require any further maintenance. The metallic support with compression limiter is reusable. It is covered with pure flexible graphite on both sides. Preferred field of utilisation: in steam system, as replacement for self-tightening vessel-gaskets.

Form of supply: manhole, handhole, headhole – gasket
Thickness can be adapted.
 $550\text{ }^{\circ}\text{C}$, $t = \text{max. } 500\text{ N/mm}^2$.

Statotherm® cover seal

As self-tightening closures in high-pressure valves.

V 901/..*
of pure graphite in nuclear quality ($\geq 99.8\%$)

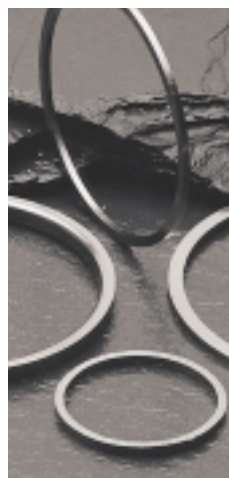
V 911/..*
of graphite in industrial quality ($\geq 98\%$)

V 901/..K*
and **V 911/..K***
with stainless steel covers.

V 881/..*
Cover seal of pure graphite with stainless steel reinforcement for high pressures and wide gaps (max. 1 mm).

V881/K..*: same as V881, additionally with stainless steel covers for protection against oxydation.
 $t = < 650\text{ }^{\circ}\text{C}$

*) The design of the cover seal depends on pressure and dimensions. In case of inquiries or orders please state operating conditions and profile form (for example: pressure in bar, diameters d_1 and d_2 , profile form I, A or R).



Statotherm® serrated gasket

9598/P

Serrated gasket with Statotherm® pure graphite facing, without centering ring.
Item No. 9598/PZ with centering rim.

Design to DIN 2697 Form B and in-plant standard. For use in load-bearing configurations in flange and similar connections of the chemical, petrochemical, power plant and nuclear power plant engineering, etc.

Operating ranges

$t = -200\text{ }^{\circ}\text{C}$ to $+550\text{ }^{\circ}\text{C}$;
 $\text{pH} = 0-14$
up to 400 bar
($> 400\text{ bar}$ on inquiry)
Recommended surface finish of the sealing surface $R_t \leq 25\text{ }\mu\text{m}$

Standard material of the serrated gasket: 1.4541, 1.4571

Statotherm® profile rings

R 901/...*

For sealing machine parts subject to strong temperature variations and/or to high or low temperatures of such a degree as to make the use of elastomeric O-rings impossible (for example, in heating and cooling chambers, valves, heat exchangers, or in pumps as housing seals).

*) Density stages are dependent on pressure. Peak-to-valley heights required for the sealing and groove surfaces:
 $R_t = 10-40\text{ }\mu\text{m}$.

Statotherm® profile rings are only produced of pure graphite $\geq 99.8\%$.

Available in all dimensions (minimum cross-section 3 mm) and profiles of up to max. 1000 mm dia.
– US standard ARP 568
– Swedish standard SMS 1586

Spiraltherm®

9594/...*

Universal flat gasket of sectional stainless-steel tape with pure graphite filling, spirally rolled for flanges, covers, manholes and the like in load-bearing and non-load-bearing configurations.

*) Sectional shape of the flange connections:

- 9594/NF Tongue and groove
- 9594/VR Projection and recess
- 9594/VRI Projection and recess (with inner ring)
- 9594/GIA Smooth raised face (with inner and outer ring)
- 9594/GAS Smooth raised face (with outer ring)

Application range

Temperature from $-200\text{ }^{\circ}\text{C}$ to $+550\text{ }^{\circ}\text{C}$, pressure up to 400 bar (2500 lbs) for flanges to DIN or ASME; helium leakage $1.7 \cdot 10^{-9}$ mbar · l/s can be attained; pH value 0-14.

Materials

- Gasketing tape: pure graphite nuclear quality ($\geq 99.8\%$) 9594/..* or industrial quality ($\geq 98\%$) 9584/..*
- Metal spiral: Standard 1.4541 (AISI 321)
- Inner ring: as for metal spiral.
- Outer ring: Steel, galvanized, as a rule.



8152, 8153 Joudol® »SM«

A universal high-duty lubricant and antiseize agent. Prevents gaskets from sticking and baking to surfaces.

Forms supplied: 1 kg cans, 230g tubes, 200 ml spray cans



Statotherm®-HT thermoactive

9560

Flat gasket of high-temperature resistant special mica for use in exhaust-gas systems, gas turbines, high-temperature heat exchangers, burners, etc. Resistant to gaseous media, even carrying solid particles, up to over 1100 °C. Maximum permanent tightness at a low minimum surface pressure (approx. 10 N/mm²). Compensates any differing expansion of connecting parts (such as steel-ceramic connections). Statotherm®-HT thermoactive is insensitive to temperature shocks, it has a permanent "self-adjusting" filling of the sealing gap and has stood the practical test for over a million times. Max. operating pressure 5 bar (up to 8 bar on inquiry). For use in load-bearing and non-load-bearing configurations.

Standard version

Materials:
Sealing material: mica compound (hydroxyl-alkali containing oxide of aluminium silicate)
Punched steel: St. 2 (4), 1.4828, Bead: 1.4828

Thicknesses:
with punched steel support:
1.3 ± 0.15 mm
without support:
0.4; 0.7; 1.0 ± 0.15 mm

Rubber-steel flat seal

9107/KN

For all plastic, steel and coated flanges with a smooth raised face. Simply tighten down. Tight. No overpressing even if flanges are slanted (raised face in non-load bearing configuration). No transverse forces, ideal for rubberized flanges. Selection of materials (seat housing and elastomer) according to your conditions of application. Available in all dimensions, even with rectangular section.

Standard: Item no. 9107/KN (seal ring EPDM, metal supporting ring St. 37 galvanized, chromatinized).

Permanently temperature resistant EPDM -30 °C ... +130 °C. Pressure stages PN 10 ... PN 64

Peak-to-valley height recommended: R_t = < 100 mm.

Current dimensions from stock. Available on inquiry: Seal rings: FPM, NBR, NR, SBR, CR, supporting rings: stainless steel and other materials (such as, plastics).

PTFE gaskets

6725/L

PTFE silk gasketing strip. Concentric PTFE filament braid. Endless connection by inserted-tongue fastening. No cold flow. For vessels and flanges with uneven surfaces; enamelled surfaces. p = 15 bar, t = -200 °C to +280 °C, pH = 0-14. Widths/thicknesses (mm): 10/3; 20/4; 25/5; 35/6; 50/7.

6732

PTFE/graphite gasketing strip TR. Of stretched PTFE with incorporated graphite. High purity (Cl- < 10 ppm). Application as for item No. 6725. Released by BAM for gaseous oxygen +40 °C at 65 bar, up to +200 °C at 50 bar. t = -200 °C to +280 °C, p = 25 bar, pH = 0-14. Widths/thicknesses (mm): 10/3; 20/3; 25/4; 35/5; 50/6.

9653

PTFE thread-sealing tape. Easy and quick handling; good electrical insulation. Released by BAM for oxygen up to 40 bar at 60 °C and DVGW for all gases. t = -200 °C to +280 °C, p = 50 bar, pH = 0 - 14. Tape thicknesses 0.08 and 0.10 mm, width 12 mm, length 12 m.

9654

PTFE flat joint sealant with self-adhesive film. Pure PTFE in the stretched structure, no cold flow. For flanges and vessels. t = -269 °C to +260 °C, (transient +300 °C) p = 200 bar, pH = 0 - 14. High tightness with uneven and damaged flange faces, simple to install; no waste. BAM expertise Tgb. No. 4-3498. Use of oxygen up to 90 °C and 100 bar, released by DVGW G 89e089. Strip widths/thicknesses (mm): 3/15; 5/2; 7/2.5; 10/3; 14/5; 17/6; 20/7. Length of rolls (m): 5; 10; 25; 50.

9660

PTFE round cord, twisted. As valve-spindle and flange seal in the chemical, pharmaceutical, and food processing industries. t = -240 °C to +290 °C, p = 105 bar, pH = 0-14. BAM Tgb. no. 10570/84 for oxygen of 50 bar at 100 °C or 30 bar at 200 °C. Cord dia. (mm): 2.5; 3.2; 4; 6; 8; 10. In rolls, length (m): 5; 10; 15.



Burachem®

PTFE-based sealing material with filler. Structure with multidirectional orientation for high stability under pressure. No PTFE-typical inclination to cold flow. Very high mechanical strength. t = -200 ... +260 °C P_{max} = 80 bar pH = 0 - 14 Sheet size: 1500 x 1500 mm Thickness: 1/ 1,5/ 2/ 3 mm Burachem® complies with FDE Directives FDA21CFR 177.1550

9655-R

With quartz filler. Resistant to all chemicals. Exception: hydrogen fluorides, fluorine compounds, melts of alkali metals.

9655-W

With barium sulfate as filler. Also resistant to hydrogen fluorides and fluorine compounds as well as melts of alkali metals.

9655-B

With hollow micro glass beads as filler. Sealing effect produced by very little surface pressure. High compressibility ensures good sealing results even with non-parallel sealing faces and unevenness. Resistant to all chemicals. Exception: hydrogen fluorides, fluorine compounds, melts of alkali metals.

Burceram

Burceram AS and GS gaskets for boilers, coal mills, industrial ovens, oven doors, lids and covers, hand and manholes. All materials are free from combustible components and thus non-flammable, they are chemically neutral and resistant to water, steam, oils, neutral and dry gases in the pH 5-9 range.

9480

Burceram GS glass fibre packing, dry. Operating temperature limit approx. 500 °C. Standard cross-sections (mm □): 6, 8, 10, 12, 16, 20, 25, 30, 32, 35

9480-P

Burceram GS glass fibre packing with a special graphite compound which largely prevents the ingress of solids into the gasket and maintains its elasticity. Operating temperature up to approx. 500 °C. Forms supplied as for 9480, but of +10 ... 20% more weight.

9481

BurceramGlass-HT packing (same as 9480 but for temperatures up to approx. 700 °C). Please enquire. Also available with graphite preparation, 9481-P.

7260 INC

Burceram HT glass fibre, Inconel wire reinforced, with special impregnation. Operating temperature 750 °C

9472

Burceram GS glass fibre round cord. Operating temperature limit: approx. 650 °C dry heat. Standard dimensions (∅ mm): 4, 5, 6, 8, 10, 12, 16, 20, 25, 30, 32, 35.

9472-P

Burceram GS glass fibre round cord, graphited. Operating temperature and forms of delivery same as for 9472, but +10 ... 20% in weight.

6365/S

AC-Panzerit®-manhole seals. Aramid/carbon fibre fabric with stainless steel wire reinforcement, doublewrapped with Burasil®-S. Special impregnation and Burasil®-S sheathing. t = 250° (220° with steam); p = 20 bar.



Gasket cutter

Handy and easily to be used special tool for producing seal rings from rubber and plastic sheets, etc. of approx. d₁ 30 to d₂ = 1000 mm.



Gasket nibbler 9615

For cutting small quantities of gaskets (thickness 3 mm maximum) without and with carrier foils or punched inserts (0.2 mm maximum). With the nibbler you can also produce sealing rings and any other shapes of your choice (diameter 1500 mm maximum).

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All technical data are based on extensive tests and on our experience of many years. However, in view of the multiplicity of applications, they can only be considered as standard values. An individual guarantee can only be assumed if the precise operating conditions are known to us. Subject to modifications.