KLINGER®milam PSS

KLINGER®milam PSS is suitable for highest temperatures up to 900°C and higher.

The particular property of this material is the outstanding thermal stability. The weight loss at 800°C is less than 5%.
In combination with excellent chemical resistance to solvents, aggressive acids, alkalis and mineral oils it offers interesting application possibilities.



Key features:

» Tanged stainless steel 1.4401 insert
» Impregnated with high quality silicone oil
» Free of fibres
» Superior high temperature resistance
» Excellent chemical resistance

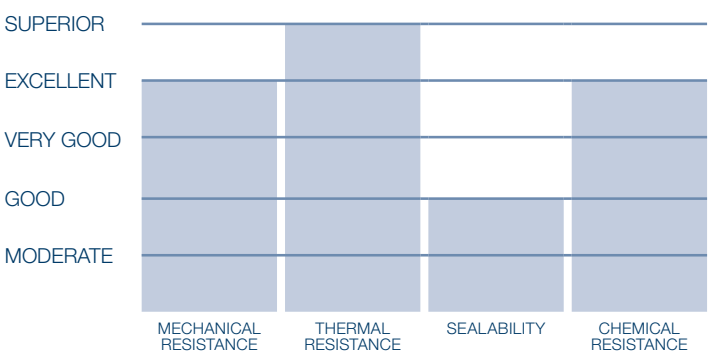
Benefits:

» Ideal for high temperatures up to 900°C and higher
» Recommended for exhaust systems
» Extremely high oxidation resistance

Certificates and approvals:

» German Lloyd

Properties: referring to Mica Laminate product range



Industries:

INDUSTRY | CHEMICAL | OIL & GAS | ENERGY | INFRASTRUCTURE | PULP & PAPER | TRANSPORT | FOOD & BEVERAGES | PHARMA

Typical technical data for KLINGER®milam PSS:

		PSS 130	PSS 200	PSS 300
Compressibility ASTM F 36 J	%	12 - 16	13 - 19	17 - 25
Recovery ASTM F 36 J	%	35 - 45	35 - 45	30 - 40
Stress relaxation DIN 52913, 50 MPa, 16 h/300°C	MPa	33	33	30
Tensile strength DIN 52910	MPa	22	21	20
Tensile strength ASTM F 152	MPa	25	24	21
Ignition loss DIN 52911	%	<5	<5	<15
Sealability for nitrogen at 30 MPa and 6 bar, temperature within 100 to 400°C (Sample size 90 x 50 mm) max	ml/min	0.20	0.20	1.0
Thickness increase ASTM F 146, Oil IRM 903: 5 h/150°C	%	12	12	5
Weight increase ASTM F 146, Oil IRM 903: 5 h/150°C	%	26	26	28
Max. gasket load	MPa	100	80	80
Density DIN 3754	g/cm³	2.1	2.1	1.8
Max. temperature*	°C	900	900	900
Thickness	mm	1.3	2.0	3.2
Number of stainless steel reinforcements		1	1	2
Material Tanged stainless steel			1.4401 (or 1.4404)	

* depending on installation and service conditions.

Dimensions of the standard sheets:

Sizes:

1000 x 1200 mm

Thicknesses:

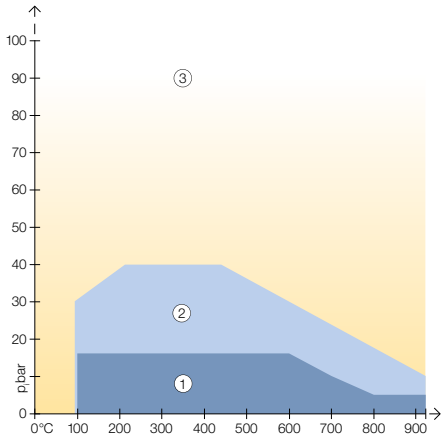
PSS 130 = 1.3 mm, PSS 200 = 2.0 mm, PSS 300 = 3.2 mm

Tolerances:

Thickness PSS 130 ± 8%, PSS 200 ± 10%, PSS 300 ± 10%
Length ± 4 mm, width ± 4 mm

Other thicknesses, sizes and inserts on request.

pT diagram for thickness 2.0 mm:



(1) In area one, the gasket material is normally suitable subject to chemical compatibility.

(2) In area two, the gasket material may be suitable but a technical evaluation is recommended.

(3) In area three, do not install the gasket without a technical evaluation.

Always refer to the chemical resistance of the gasket to the media.

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Certified acc. to DIN EN ISO 9001:2008 Subject to technical alterations. Status: June 2016

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