

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

SUPERIOR				
EXCELLENT				
VERY GOOD				
GOOD				
MODERATE				
	MECHANICAL RESISTANCE	THERMAL RESISTANCE	SEALABILITY	CHEMICAL RESISTANCE

Industries:



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/cm ³	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:

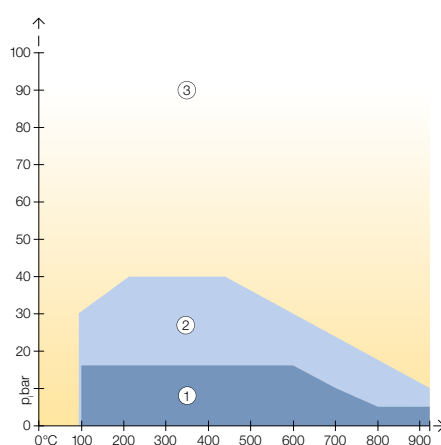
PSS 130 = 1.3 mm, PSS 200 = 2.0 mm, PSS 300 = 3.2 mm

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.

All information and recommendations contained in this data sheet are to the best of our knowledge correct. Since conditions of use are beyond our control, users must satisfy themselves that the products are suitable for the intended processes and uses. No warranty is given or implied in respect of information or recommendations or that any use of products will not infringe rights belonging to other parties. In any event or occurrence our liability to our invoice value of the goods delivered by us to you. We reserve the right to change product design and properties without notice.

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





Klinger Portugal, Lda.
Via José Régio, 36
Centro Empresarial Vilar do Pinheiro
4485-860 Vila do Conde
T: +351 22 947 0910
E-mail: geral@klinger.pt

Delegação Lisboa
Rua de Cabo Verde, 8
Prior Velho 2685-316
T: +351 21 940 6620
E-mail: lisboa@klinger.pt