



KLINGER®milam PSS engineered for highly demanding operating conditions.

Featuring a high-temperature Mica-based material with perforated stainless steel reinforcement, KLINGER® milam PSS gaskets are specifically designed for hot, dry gas applications at up to 900 °C and 5 bar. Their outstanding chemical resistance also makes them suitable for a wide range of other applications. This product is also available as Milam H, a high-quality homogeneous mica sheet.



Basis composition Mica-based sealing material with a perforated 0.1 mm thick stainless steel reinforcement.

Color Brown

Certificates German Lloyd

Sheet size 1000 x 1200 mm

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

Tolerances

Thickness: ±10%
Length: ± 5 mm
Width: ± 5 mm

Industry

General industry / Chemical / Oil & Gas / Energy / Pulp & Paper / Marine / Automotive

TECHNICAL DATA - Typical values for different thicknesses

		PSS 130	PSS 200	PSS 300
Compressibility ASTM F 36 J	%	12 - 20	15 - 23	18 - 26
Recovery ASTM F 36 J	%	30 - 45	32 - 42	28 - 38
Stress relaxation DIN 52913, 50 MPa, 16 h/300°C	MPa	33	33	30
Ignition loss	%	<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	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		ASI 316 (L)		

