



High-Temperature Gasket Material based on Mica with Perforated Stainless Steel Reinforcement 1.4401(AISI 316). It is specifically designed for hot, dry gas applications up to 900°C and 5 bar. However, the outstanding chemicals resistance of mica makes the gasket suitable for a wide range of other applications. Also available as Milam H ,high quality homogeneous mica sheet.

Characteristic & main applications

KLINGERmilam is a high temperature gasket material which is asbestos free . KLINGERmilam is specifically suitable for use in aggressive acids and high temperatures applications.

It is also suitable above the typical application temperatures of Graphite.

- *Used for high temperature applications such as exhaust manifolds, turbines, turbochargers and burner ducting.*
- *Outstanding resistance to dry heat.*
- *Good resistance to aggressive acids, bases, solvents, mineral oils*
- *Good compressive strength*
- *Non-flammable*
- *Does not give off fumes*
- *Non toxic*

Tests and Certifications:

- *Germanischer Lloyd*
- *RoHS Certificate*

Availability:

- *Thickness(mm): 1.3 ,1.5 ,2.0 & 3.0 (others on request)*
- *Sheet Size (mm) : 1.200 x 1000*

Function and durability

The function and durability of the Klinger Gaskets depends largely on the installation conditions which we as manufacturers cannot influence. Klinger Limited guarantees the quality, materials and workmanship of all its products either manufactured or distributed, but cannot be held responsible for the manner in which they are used, fitted or stored.



Typical Specifications

Typical Values	Milam PSS130	Milam PSS200	Milam PSS300
Compressibility ASTM F36A	12 – 16 %	13 – 19 %	17 – 25 %
Recovery ASTM F36A	35– 45 %	35 – 45 %	30 – 40 %
Ignition Loss DIN 52911	< 5 %	< 5 %	< 15 %
Stress Relaxation DIN 52913 50 MPa / 300°C	33 MPa	33 MPa	30 MPa
Stress Relaxation BS 7531 40 MPa / 300°C	28 MPa	28 MPa	20 MPa
Tang insert stainless steel Thickness	AISI 316 (1 insert) 0.10 mm	AISI 316 (1 insert) 0.10 mm	AISI 316 (2 inserts) 0.10 mm
Continuous service temperature (Max. pressure at 900°C is 5 bar)	Max. 900°C	Max. 900°C	Max. 900°C
Gas Leakage at 30 MPa / 6 bar Temperature 100 to 400°C Gasket Size 90 x 50 mm	max. 0.20 ml/min	Max. 0.20 ml/min	Max. 1.00 ml/min
Stress	Max. 100 MPa	Max. 80 MPa	Max. 80 MPa
Thickness	1.30 mm	2.00 mm	3.20 mm
Thickness Tolerance	± 5 % of nominal thickness	± 10 % of nominal thickness	± 10 % of nominal thickness
Sheet Size	1200 x 1000 mm	1200 x 1000 mm	1200 x 1000 mm

Notes: Milam develops its sealability at temperatures above 100 °C.
M = 3 , Y = 40 MPa (Tightness Class 0.1 per DIN 28090)



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Subject to technical alternations
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