PLANIX™ MEGATHERM S

Composition

- Phlogopite Mica impregnated with silicone resin

Characteristics

MEGATHERM S offers excellent flexibility and thermal resistance, outstanding chemical resistance to external agents, and superior long-term durability. This gasket sheet performs exceptionally well in high-temperature environments or with oxidizing fluids, significantly surpassing the performance of obsolete ceramic paper gaskets and similar products.

Applications

MEGATHERM S proves ideal in situations where graphite is not a viable solution due to high temperatures or the presence of oxidizing fluids. Widely used across various industrial sectors, this sheet offers superior performance, surpassing ceramic paper gaskets and outdated solutions. Its versatility extends to a wide range of applications, ensuring reliable and long-lasting sealing.

Tech Data

Material	--	Mica Phlogopite
Colour	--	Gold Brown
Density	g/cm³	1.75 ÷ 2.05
Max recommended Temperature in Air	°C	900
Maximum Pressure Service (°C R.T./H.T.)	bar	5/1
Leakage DIN 3535-6	$mg \cdot s^{-1} \cdot m^{-1}$	< 0.10
Creep Relaxation DIN 3535-6	%	< 12
Compressibility DIN 3535-6	%	> 16
Recovery DIN 3535-6	%	> 3
Weight Loss at 900°C after 60 min	%	< 3.50
Thermal conductivity DIN 52612	W/m·K	0.20
Dielectric Strength IEC 60243	kV/mm	> 16

- Do not use the product at maximum temperature values or under pressures higher than those typical of flue gases. Contact the manufacturer for further information.
- Other gasketing sheet dimensions and thicknesses are available on request.
- The dimensional tolerances of the gasketing sheets are: W and L ±3.0%, H ±10.0%.

Size	1.000 x 1.000 mm / 1.200 x 1.000 mm	40” x 40” / 48” x 40”
Thickness	1.0 ÷ 3.0 mm	3/64” ÷ 1/8”



Planix™ Megatherm S

The Planix Megatherm range includes a complete selection of gasket sheets designed for high-temperature services with oxidizing fluids that cannot be handled by graphite gaskets.

The products are manufactured using both vermiculite, treated with special biosoluble fibres, and phlogopite mica in order to offer customers a wide choice.

The unreinforced sheets are also suitable as insulating materials thanks to the high dielectric strength of vermiculite and mica.

- **Planix Megatherm High**
  - Vermiculite sheet with metallic support
- **Planix Megatherm R**
  - Phlogopite mica sheet with metallic support
- **Planix Megatherm S**
  - Phlogopite mica sheet without metallic support

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