



PLANIX™ MEGATHERM S

Composition

The MEGATHERM S gasket sheet is manufactured using flexible mica bonded with special resins. Flogopite mica and silicon resin are strategically combined to give the product extraordinary robustness and high tolerance to challenging environmental conditions.

Characteristics

With a core of flogopite mica and a silicon resin matrix, MEGATHERM S offers excellent thermal flexibility and incredible resistance to external agents. This gasket sheet excels, especially in high-temperature environments or with oxidizing fluids, significantly outperforming ceramic fiber gaskets and similar outdated products. The distinctive features of MEGATHERM S include exceptional thermal resistance, remarkable chemical resistance, and superior durability. This sheet represents an advanced option for sealing needs in demanding industrial applications.

Applications

Specifically designed for creating flange gaskets, MEGATHERM S proves ideal in situations where graphite is impractical due to high temperatures or the presence of oxidizing fluids. Widely used in various industrial sectors, this sheet offers superior performance, surpassing ceramic fiber gaskets and outdated solutions. Its versatility extends to a wide range of applications, ensuring reliable and long-lasting sealing.

Tech Data

Megatherm S		
Compressibility DIN 3535-6	%	>16
Recovery DIN 3535-6	%	>3
Creep relaxation DIN 3535-6	%	<12
Leakage DIN 3535-6	mg/(s*m)	<0.10
Max recommended temperature	°C	900
Pressure		
Room Temperature	bar	5
High temperature	bar	1
Colour	Yellow	Ocher
Dimensions		
Standard L x W	mm	1500 x 1500
Other L x W	mm	1000 x 1000
Thickness	mm	1 ÷ 3

- Do not use the product at maximum temperature values or under pressures higher than those typical of flue gases. Consult 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 $\pm 3,0\%$, H $\pm 10,0\%$



Planix™ Megatherm S

The Planix Megatherm range includes a complete set of gasketing sheets intended for high temperature services with oxidizing fluids that cannot be handled by graphite gaskets. The products are made both with vermiculite treated with special bio-soluble fibers and with phlogopite mica to offer a wide choice. The sheets without reinforcement are also suitable as an insulating material due to the high dielectric value of the mica.

- Planix Megatherm High**
 - Vermiculite reinforced gasketing sheet
- Planix Megatherm R**
 - Mica Phlogopite reinforced gasketing sheets
- Planix Megatherm S**
 - Mica Phlogopite without reinforcement
- Planix Megatherm Filler**
 - Mica Phlogopite for semi-metallic gaskets



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