



# 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high-temperature environments or with oxidizing fluids, significantly outperforming ceramic fiber gaskets and similar outdated products.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Widely used in various industrial sectors, this sheet offers superior performance, surpassing ceramic fiber gaskets and outdated solutions.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

	P bar	lbf/in2	Vm/S	f/pm	pH	T°C	T°F
	60	900			0 - 14	÷ 900	÷ 1600

- 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  $\pm$  5,0%, 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



The information in this publication, as well as any additional information provided to users, is based on experience and is shared to the best of our current knowledge. However, due to numerous factors beyond our knowledge and control that may affect the use of these products, no warranties are provided or implied regarding this information. The operating limits presented in this publication do not imply that these values can be applied simultaneously. Do not use the product at the maximum temperature and pressure values simultaneously. The maximum temperature is suitable only for short-term exposure under specific conditions. Specifications are subject to change without prior notice. The picture in the DS may not accurately depict the exact color and/or markings of the product.

 **CARRARI**  
GLOBAL SEALING SOLUTIONS

**Carrara S.p.A.**,  
Via Provinciale 1/E - 25030 Adro - BS - Italia  
tel. +39 030 7451121 / fax +39 030 7451130  
[www.carrara.it](http://www.carrara.it) - [info@carrara.it](mailto:info@carrara.it)