PLANIX™ MEGATHERM HIGH

Composition

- Expanded vermiculite with NBR binder
- Punched SS316L support sheet 0.10 mm

Characteristics

Expanded vermiculite sheets contribute to lightweight and thermal resistance, while heat-resistant biosoluble fibers further enhance resistance to high temperatures. Megatherm High shows a remarkable flexibility and resilience of the gasket, ensuring an excellent seal. The perforated SS316L support provides structural strength and facilitates installation. Megatherm High is designed to withstand the most demanding applications and extreme temperatures. Its unique chemical formulation allows reliable use up to 1000°C, ensuring strength, durability, and reliability even in critical conditions. The reduced weight loss of the product further contributes to its superior performance.

Applications

Thanks to its resistance to high temperatures and reliability, Megatherm High is ideal for critical applications where other products may fail. It finds widespread use in industrial settings requiring a robust and durable gasket, ensuring optimal performance even in the most extreme conditions.

Tech Data

Megatherm High		
Material	--	Vermiculite
Tanged Insert SS316L th. 0.10 mm	no.	1
Colour	--	Gold Brown
Density	g/cm³	1.60 ÷ 1.90
Max recommended Temperature in Air	°C	950
Maximum Pressure Service (°C R.T./H.T.)	bar	200 / 50
Leakage DIN 3535-6	$mg \cdot s^{-1} \cdot m^{-1}$	< 0.10
Creep Relaxation DIN 3535-6	%	< 18
Compressibility DIN 3535-6	%	> 20
Recovery DIN 3535-6	%	> 2.20
Weight Loss at 950°C after 60 min	%	< 5.00
Thermal conductivity DIN 52612	W/m·K	0.20
Dielectric Strength IEC 60243	kV/mm	> 16

- Never use the product at its maximum rated temperature and pressure simultaneously. 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 ±3.0%, H ±10.0%.

Size	1.000 x 1.000 mm / 1.500 x 1.500 mm	40” x 40” / 60” x 60”
Thickness	1.0 ÷ 3.0 mm	3/64” ÷ 1/8”

The information provided in this publication, as well as that supplied to users in other forms, is based on our experience and communicated according to the best knowledge available. However, since numerous factors beyond our knowledge and control may influence the use of the products, no warranty, explicit or implicit, is given regarding such content. The operating limits indicated do not constitute confirmation that these values can be applied simultaneously. Avoid using the product at the maximum temperature and pressure limits. The maximum temperature is sustainable only for short periods under specific conditions. Specifications may be changed without notice. The images in the DS may not exactly represent the product, its color and/or marking.



Planix™ Megatherm High

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

CARRARA GLOBAL SEALING SOLUTIONS

Carrara S.p.A.,
Via Provinciale 1/E - 25030 Adro - BS - Italia
tel. +39 030 7451121 carrara.it - info@carrara.it