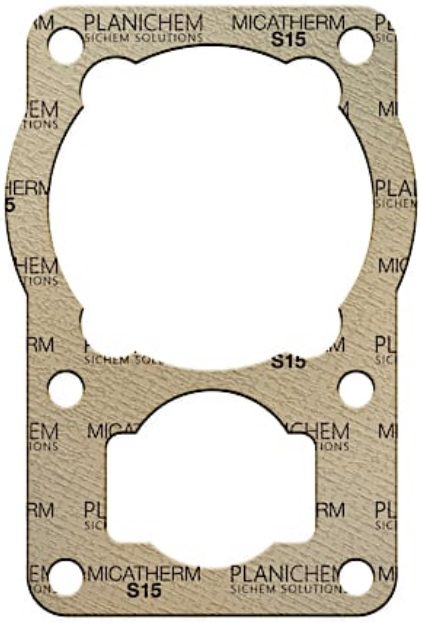
PLANICHEM
SICHEM SOLUTIONS

MICA MICATHERM S15



Micatherm® S15 is a flexible mica gasketing sheet for flat gaskets, made of phlogopite, a mineral-based phosphosilicate with a lamellar structure, reinforced with a perforated AISI 316L stainless steel foil insert. Micatherm® S15 retains the characteristics of phlogopite mica, which, combined with silicone resin and reinforced by the perforated AISI 316L stainless steel insert, give the product excellent thermal, chemical and mechanical resistance.

High chemical resistance: it is ideal for situations where the use of graphite gaskets is not possible due to high temperatures or the presence of oxidising fluids.

Superior stability and flexibility: the perforated AISI 316L stainless steel backing sheet provides a solid structure, whilst the phlogopite mica and silicone resin confer flexibility and resistance to external agents.

Excellent workability: easy to die-cut and CNC-cut, ensuring precision even for complex geometries.

High resistance to high temperatures: ideal for applications requiring a prolonged airtight seal and resistance to high temperatures.

Operating temperature: up to +750°C depending on the type of fluid and the applied load.

Mica	Mica Micatherm S15
Composition	Flexible Mica sheet bonded with special resin and tanged insert of SS316L
Density ASTMF 1315	1.65-1.95 g/cm³
Max recommended Peak Temperature	900 °C
Max operating pressure	60 bar
Leakage DIN 3535-6	<0.1* mg*s-1*m-1
Creep relaxation DIN 3535-6	<12 %
Compressibility DIN 3535-6	>16 %
Recovery DIN 3535-6	>3 %
Available sheets size	1500x1500 mm 1000x1000 mm
Sheet size tolerance	50 mm
Thickness tolerance	10 %

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.

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