



Gaskets

High temperature application

Mica

Article description:	SW-TEMP
Article forms:	Available as a plate product Plug-in seals, cut or die-cut seals Optionally with metal insert
Colour:	Gold
Preparations:	Without any additionally preparations
Materials:	Phlogopit content IEC 60371-2 min. 90 % Silicone binder content IEC 60371-2 max. 10 %



Mechanical properties:

Properties	Test method	
Density	IEC 60371	1,7 – 2,15 g/cm ³
Weight loss (at 500 °C)	IEC 60371	< 3 %
Dielectric strength	IEC 60243	ca. 14 kV/mm
Volume resistace	IEC 60093	~ 10 ¹⁵ Ω/cm bei 23 °C ~ 10 ¹⁰ Ω/cm bei 500 °C
Max. pressure		5 bar
Flamability rating	UL94	V-0

Thermal properties:

- Continuous temperature up to 600 °C
- Short-term 800 °C possible
- Thermal resistance (2 hours at 800 °C):
Thickness increase stable

Chemical properties:

- Good chemical resistance against solvents, acids, alkalis and mineral oils

Applications:

The mica SW-TEMP material can be used in exhaust manifolds for automobiles, gas turbines, gas and oil burners, heat exchangers, refineries, the chemical industry, the medical industry, the petrochemical industry, turbo-generator fuel cells and other flange connections. Furthermore, it serves as a filler for spiral wound gaskets.

Dimensions:	Plate sizes depending on the plate thickness (1200 x 1000 mm) *
	Length max. 2400 mm *
	Thickness 0.1 - 5 mm *

* Further plate sizes and thicknesses on request

The above information is based on the current state of our knowledge of the product and is made to the best of our knowledge and belief. A warranty claim cannot be derived from this information. All previous issues hereby lose their validity.