Technical Data Sheet

SEALUX SARP

(high temperature gasket mica sheet with stainless steel)

Description:

SEALUX SARP combines the outstanding characteristics of mica sheets and perforated stainless steel insert. The stainless steel insert increases not only the resistance against pressure but also the firmness of the sheet. ***SEALUX SARP*** resists operating temperatures up to 1000°C. Gaskets/seals made of ***SEALUX SARP*** are used in a broad range of industries:

- automotive (exhaust manifolds)
- petrochemistry (gas & oil)
- chemical
- fuel cells
- gas turbines & turbo generators

The high firmness, chemical resistance and the excellent thermal characteristics make SEALUX SARP to the preferred material in high temperature gaskets.

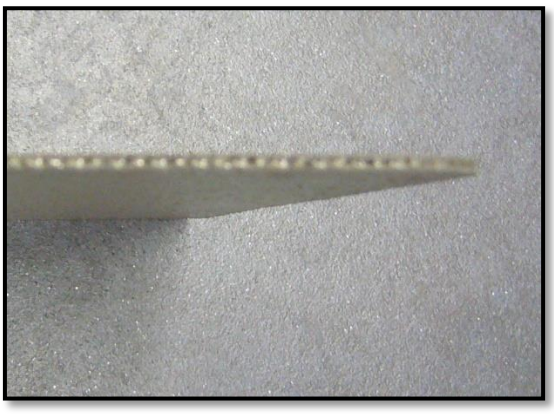
Composition:

SEALUX SARP is made from 2 layers of high-grade Phlogopite mica paper impregnated with a silicone binder and in the middle a perforated stainless steel insert (S316 – 1.4401). Phlogopite mica (=aluminosilicate of mineral origin) gives ***SEALUX SARP*** its thermal characteristics & outstanding resistance to solvents, acids and mineral oils.

Delivery form:

Thickness:	1.0 – 3.0 mm
Width:	1,000 mm
Length:	1,200 mm

Customized strips or punched parts according to customer drawings are available upon request.



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Compressibility: (ASTM F 36 J)	12 - 20%
Elastic recovery: (ASTM F 36 J)	≥35%
Tensile strength: (DIN 52910) (ASTM E 152)	≥20 N/mm²
Ignition loss: (DIN 52911)	≤ 5%
Fire resistance classification:	UL94 V0
Thickness increase: (ASTM F 146)	≤ 10 %
Weight increase: (ASTM F 146)	≤ 25 %
Max. gasket load:	~ 100 N/mm²
Density: (IEC 60371-2)	1,8 – 2,2 g/cm³
Heat resistance:	~ 900 °C
Compressive strength: (DIN 52913)	~ 40 N/mm²
Max. pressure:	5 bar

Note: These technical data are average results of laboratory tests conducted under standard procedures and are subject to variations and do not constitute a warranty or representation for which we assure legal responsibility.

Safe Insulating Material in Compliance with EEC Council Directive