



Technical Data Sheet

EST-TEMP (flexible mica sheets for gasket applications)

Application: EST-TEMP

- **Flexible texture & elasticity**
- **An outstanding performance as high thermal insulation.**
- **Resists operating temperatures up to 1000 °C.**
- **EST-Temp gaskets/seals are used in a broad range of industries: gas & oil; chemical & petrochemical; automotive (exhaust manifolds); medical; fuel cells; gas turbines & turbo generators. Also be used as filler in our spiral wound gaskets or as cover material for Kammprofile.**

Size: EST-TEMP

Thickness:	0.1 – 5.0 mm
Width:	1000 mm
Length:	max. 2400 mm

Customized strips and punched/waterjet parts on request.

Composition: EST-TEMP

High-grade Phlogopite mica paper impregnated with a silicone binder.

This aluminosilicate of mineral origin gives *EST-TEMP* it's thermal characteristics and high resistance to acids, mineral oils and solvents.





EST-TEMP (flexible mica sheets for gasket applications) **Technical Data**

Mica Content: min. 90 %
(IEC 60371-2)

Silicone Binder Content: max. 10 %
(IEC 60371-2)

Density: 1.9 g/cm³
(IEC 60371-2)

Max. Pressure: 5 bar

Heat Resistance:

In Continuous Service: 800 °C

In Intermittent Service: 1000 °C

Thermal Conductivity: 0.2 W/m/°K
(at 20°C Perpendicular)

Weight Loss:

at 800°C: <5 %
(DIN 52911)

Tensile Strength: approx. 20 N/mm²
(DIN 52910)

Compressibility: 25 %
(ASTM F36-J)

Dielectric Strength: approx. 20 KV/mm
(IEC 60243 at 23 °C)

Creep Relaxation: 40 N/mm²
(DIN 52913)

Elastic Recovery: 40 %
(ASTM F36-J)