

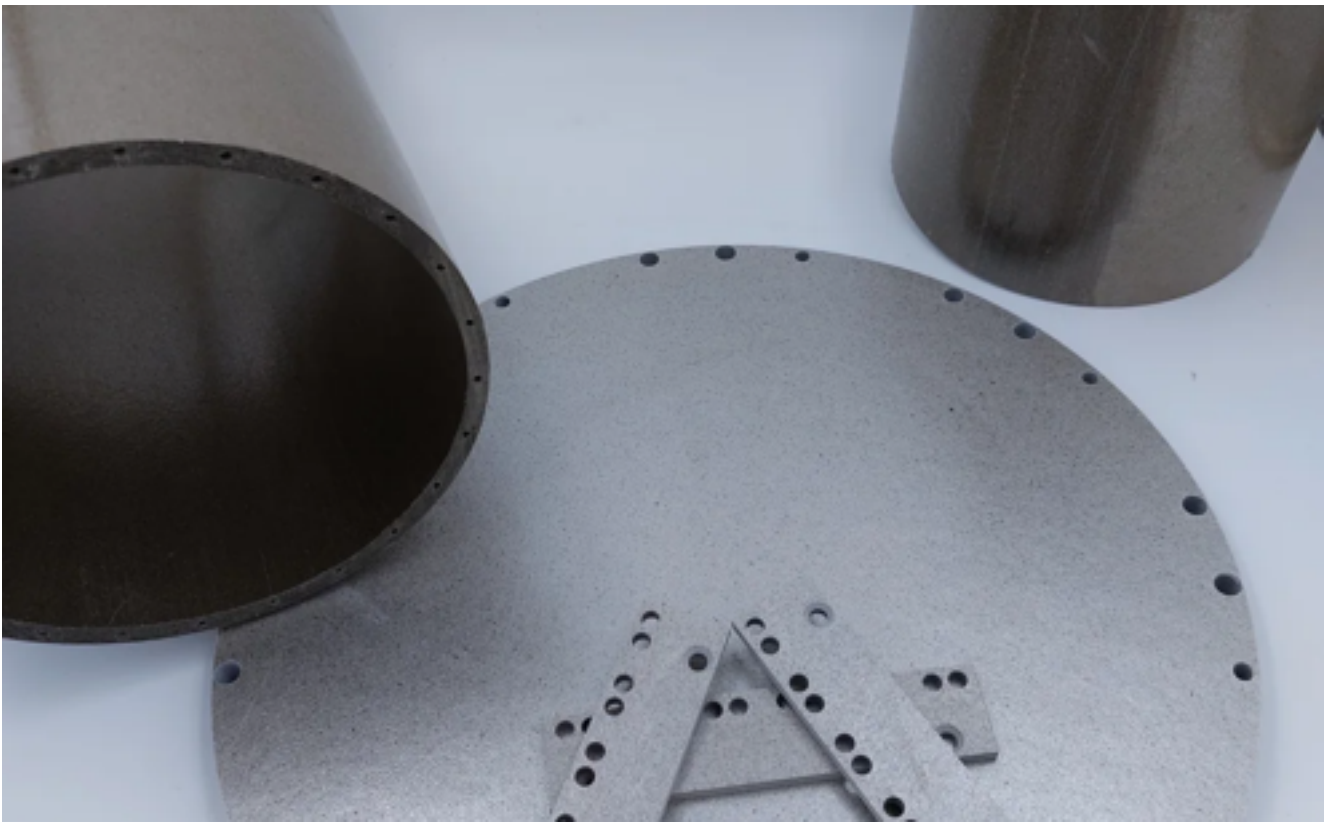


EUROPEAN
SEALING
TECHNOLOGY
Seals for industry

EST-TEMP

FLEXIBLE MICA SHEETS

Technical data sheet



European Sealing Technology - Industrial sealing solutions

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EST-TEMP (flexible mica sheets for gasket applications)

Application: EST-TEMP

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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 Kamprofile.

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

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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.







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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)