

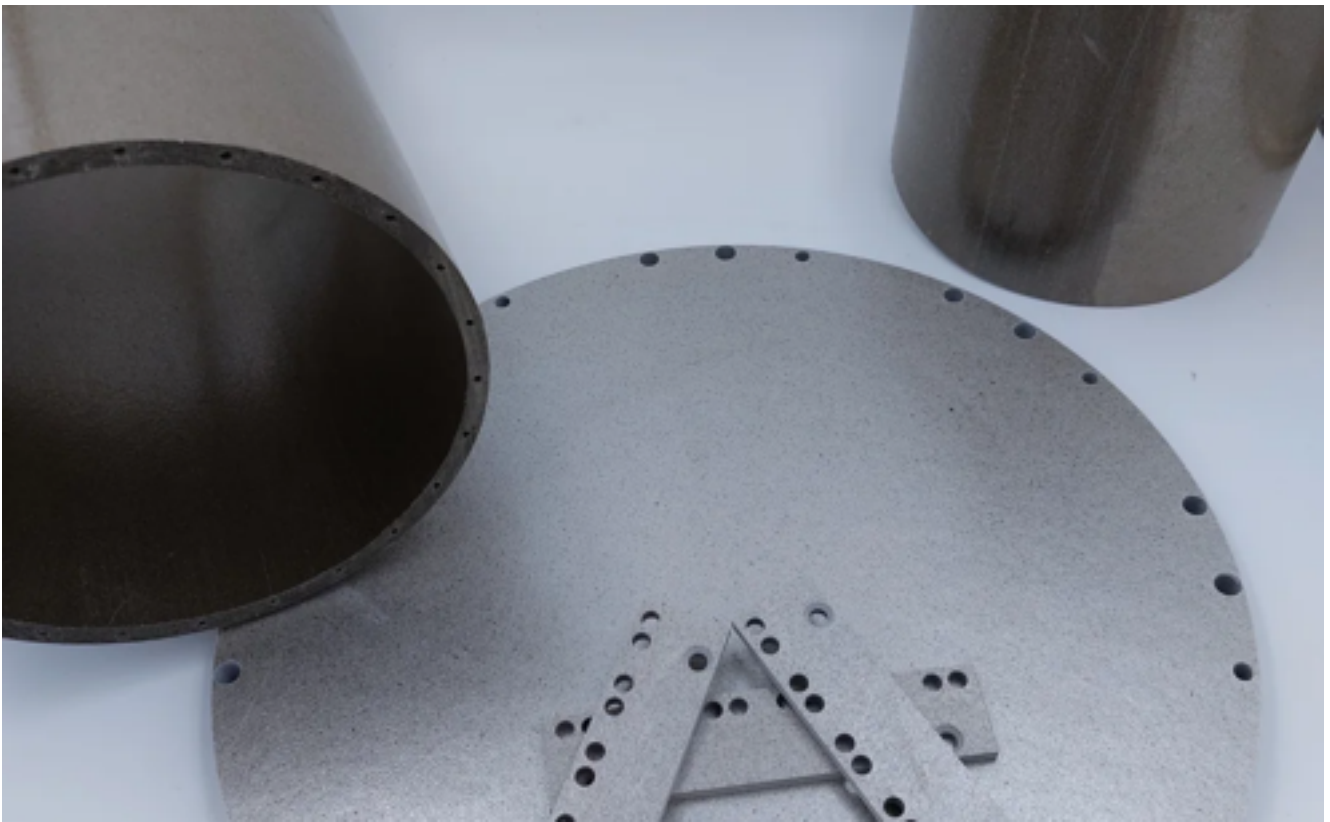


EUROPEAN
SEALING
TECHNOLOGY
Seals for industry

EST-MCSS

FLEXIBLE REINFORCED MICA SHEETS

Technical data sheet



European Sealing Technology - Industrial sealing solutions

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EST-MCSS (flexible reinforced mica sheets for gasket applications) Description: EST-MCSS

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Beside the softness and high temperature resistance/insulation properties of the Mica EST- Temp resistance/insulation, EST-MCSS gaskets have additional interesting properties. The stainless-steel insert increases resistance against pressure but also firmness of the gasket. Which can widely ease mounting, especially on large size gaskets. Size: EST-MCSS

Thickness: 1 - 3.0 mm Width: 1000 mm Length: 1200 mm Customized strips and punched/waterjet parts on request.

To avoid sharp edge, EST normally use water jet.

Composition

EST-MCSS

One perforated stainless-steel SS316L insert of 0.1mm thickness

Two layers of high-grade Phlogopite mica paper impregnated with a silicone binder.

This aluminosilicate of mineral origin gives EST-MCSS its thermal characteristics and high resistance to acids, mineral oils and solvents.



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Density: 1.8 - 2.2 g/cm³ (IEC 60371-2)

Max. Pressure: 5 bar

Max. Gasket load : 100N/mm² Tensile Strength: > 20 N/mm² (DIN 52910)

Compressive strength: ~ 40 N/mm² (DIN52913)

Compressibility: 12-20 % (ASTM F36-J) Ignition lost at 800°C: <5 % (DIN 52911) Thickness increase: <10 % (ASTM F 146) Weight increase: <25 % (ASTM F 146) Heat Resistance:

In Continuous Service: 800 °C In Intermittent Service: 1000 °C