RELY ON EXCELLENCE

Spiraltherm Mica 9596

Packings & Gaskets | Metallic gasket

Features

Spiraltherm Mica 9596 is a flange seal made from a V-shaped profiled stainless steel tape with spiral-wound mica middle layer. The ends of the stainless steel tape are spot-welded.

Advantages

- Very high temperature stability
- Preferred use in the exhaust gas area

Operating range

Pressure: p = 10 bar
Temperature

- Continuous operation:
  t = +600 ... +900 °C

Recommended surface roughness:
Rz = 12.5 ... 50 µm

Chemical resistance:
pH = 0 ... 14

Sealing parameters

AD Directive B7

- k0 x KD = 65 x bd
- k1 = 1,4 x bd

ASME Code

- Gasket factor: m = 2.5
- Minimum surface pressure:
  y = 10,000 psi, y = 70 MPa

Materials

- Filler material: 98% mica
- Metal spiral: 1.4541 (321) or 1.4571 (316 Ti)

Other materials upon request

Recommended applications

Industries

- Chemical industry
- Petrochemical industry
- Nuclear power stations

- Compressors

- Covers
- Hatches
- Process vessels
- Flange connections
- Pipe connections
- Maintenance seals

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All technical specifications are based on extensive tests and our many years of experience. The diversity of possible applications means, however, that they can serve only as guide values.
We must be notified of the exact conditions of application before we can provide any guarantee for a specific case. Subject to change.

Product variants

Spiraltherm Mica 9596/GA
Spiral wound gasket with outer guide ring.
Standard type for raised faced flanges.

Spiraltherm Mica 9596/GIA
Spiral wound gasket with inner and outer guide ring offers the best performance in raised faced and flat flanges
The inner ring is used to:
- avoid over-compression at elevated seating loads in high pressure service
- reduce turbulence within the flange area and protects against corrosion or erosion
- improve the load distribution over the gasket

Spiraltherm Mica 9596/NF
Spiral wound gasket without guide ring or inner ring.
This style of gasket is used in load-bearing flange configurations, such as tongue and groove flanges.
Standard dimensions according to EN/ASME.

Spiraltherm Mica 9596/VR
Spiral wound gasket without inner ring or outer guide ring.
Mainly used for male and female flanges or projection and recess flanges.

Spiraltherm® Glimmer 9596/VRI
Spiralthermdichtung mit Innenring.
Hauptanwendung sind Flansche mit Vor- und Rücksprung.
Um die Stauchung der Dichtung zu regulieren, ist diese Variante nur mit Innenring einsetzbar.

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