

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:
 $t = +600 \dots +900$ °C

Recommended surface roughness:
 $Rz = 12.5 \dots 50$ μm

Chemical resistance:
 $\text{pH} = 0 \dots 14$

Sealing parameters

AD Directive B7

- $k_0 \times KD = 65 \times bd$
- $k_1 = 1,4 \times bd$

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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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.