



Flexitallic 835 is a critical service gasket designed for use in applications involving high temperatures and/or aggressive chemical media. It is comprised of a spirally wound sealing element composed of a metal winding wire in combination with a vermiculite based filler material.

The gasket can be supplied with inner and/or outer centering/compression stop rings or in sealing element form. The spiral construction provides excellent sealing performance and confers high levels of gasket resilience.

Service

Flexitallic 835 gaskets are suitable for use in a wide range of sealing applications. They are capable of effecting a high integrity seal in the most demanding environments and are particularly suited to applications involving extremes of thermal or mechanical cycling. Typical applications include superheated steam, strong oxidising media and elevated temperature service. Metallic components, winding strip and rings, can be selected to suit specific applications.

Maximum recommended temperature: 980°C (1800°F)
Maximum recommended pressure: ASME B16.5 class 2500

API 6FB Fire-Safe

CONSTRUCTION

Filler material: Thermiculite 835

Winding strip: Typical stainless 316L, inconel 600 & incoloy 800 , (Others available)

Centering/Compression ring(s): Typical stainless 316 (Others available)

Flexitallic 835 gaskets are available in various styles, R, CG and CGI to various standards, ASME, DIN, EN etc.

They can also be manufactured to customer drawings for non-standard vessel and heat exchanger applications.

Sealing Element R

Outer Ring Only CG

Outer & Inner Ring CGI

Inner Ring Only RIR

AVAILABILITY

Gasket size:

Up to 3,000 mm

Thickness range:

1.6 mm to 7.2 mm

Typical Physical Properties

Thickness	mm	0.5
Density	g/cm ³	1.2 to 1.3
ASTM Tensile Strength	MPa	4.3
Chloride ion content	ppm	< 50
Fluoride ion content	ppm	< 50

Warranty exclusion

In view of the variety of different installation and operation conditions and application and process engineering options, the information given in this datasheet can only provide approximate guidance and cannot be used as basis for warranty claims.