

# Vermiculite Spiral Wound Gasket

## Vermiculite 835

### Description:

Vermiculite 835 spiral wound gasket is a critical service gasket designed for use in applications involving high temperatures and 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 outer centering compression stop rings or in sealing element form. The spiral construction provides excellent sealing performance and confers high levels of gasket resilience. The steel materials can be stainless Steel 304, 304L, 316, 316L, 316Ti, 310, 321, 347, 410, Inconel 600, 625.



### Typical Applications:

Vermiculite 835 spiral wound gasket is suitable for use in a wide range of sealing applications. It's a high integrity seal in the most demanding environments and is particularly suited to applications involving extremes of thermal or mechanical cycling. Typical applications is superheated steam, strong oxidising media and elevated temperature service.

### Advantages

- High resiliency in temperature and pressure changes
- Innovative solutions for up to 1800 F in oxidizing environments
- Available in all typical spiral wound gasket styles
- Custom shapes available

### Physical Properties of Vermiculite

Properties	Test Method	Results
Density	ASTM D795	1.3g/cm <sup>3</sup>
Tensile strength	ASTM F152	4.3 mpa
Sio <sub>2</sub>		45.82%
Fe <sub>2</sub> o <sub>3</sub>		20.33%
Max Tem.		980 oC

### Fire Safe Gaskets

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