

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, 3041-, 316, 3161-, 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 inoxidizing environments
- Available in all typical spiral wound gasket styles
- Custom shapes available

Technical Specifications

Properties	Test Method	Results
Density	ASTM D795	1.3g/cm3
Tensile strength	ASTM F152	4.3 mpa
Silo2		45.82%
Fe2O3		20.33%
Max Tem.		980 oC

Item	Specification	Unit	Data
1	Content of Vermiculite	%	90.0
2	Content of organic binder compound	%	7.2
3	Ash content	%	2.9
4	Chloride	ppm	<50
5	Fluoride	ppm	N/A
6	Tensile strength	MPa	3.1
7	Density	g/cm3	1.3
8	Working temperature	°C	Cryogenics to 982
9	Pressure of finished spiral wound gaskets	Class	150 – 2500lb
10	Supplied data	Roll	0.5mm thickness in roll