

Technical Data Sheet

MATERIAL PROPERTIES*: Thermiculite® 815

High temperature, chemically resistant sheet sealing material comprising exfoliated vermiculite reinforced with a tanged stainless steel core.

Service:

Thermiculite® 815 is comprised of a tanged 316 Stainless Steel core faced with a high performance vermiculite based sealing material. The metallic core provides improved blow out resistance, handling and cutting characteristics.

Thermiculite® 815 is suitable for use in a wide range of sealing applications. The material is capable of effecting a high integrity seal at extremes of temperature. Typical applications involve sealing superheated high pressure steam, strong oxidising media and high temperature gas & exhaust systems.

Maximum Recommended temperature: 1050°C (1920°F)

Maximum service pressure: 20MPa (200 bar; 2900 psi)

Materials:

Facing material: Thermiculite®

Reinforcement: Tanged 316 Stainless Steel, UNS S31600

Bond Type: Mechanical

Note: This product is NOT intended for, and is NOT suitable for use as the facing for Flexitallic Flexpro™ gaskets.

API607 Fire-Safe

Availability: Sheet size: 1.0m x 1.0m, 1.5m x 1.5m, For gaskets outside sheet size please contact our Applications Engineering Department

Thickness range: 1.0mm to 3.0mm

Colour: Golden

Typical Physical Properties:

Thickness	1.5mm	3.0mm
Facing Density	1.2gcm-3	1.2gcm-3
ASTM F36A Compressibility	44%	44%
ASTM F36A Recovery	9%	8%
BS 7531 Gas Permeability	0.13mL/min	0.17mL/min
BS 7531 Stress Retention @ 3000C	31MPa	17MPa
Sulphur Content	< 50ppm	< 50ppm
Chloride Ion Content	< 50ppm	< 50ppm

Notes: * This is a general guide and should not be the sole means of selecting or rejecting this material. This data sheet covers basic information, for more comprehensive information, please contact us.



Asbestos Free



Certificate Number: 14352
ISO 9001



Care should be taken in selecting the most suitable quality for each application. Advice is available, but final responsibility remains with the customer.

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