

THERMICULITE® 815

Thermiculite® 815 is a high temperature, chemically resistant sheet sealing material comprising exfoliated vermiculite reinforced with a tanged stainless steel core.

Thermiculite®



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 and exhaust systems.

API 607 Fire-safe.

Maximum recommended temperature:
1000°C (1832°F)

Maximum recommended pressure:
ASME B16.5 Class 300, EN 1092-1
PN40.

MATERIALS:

Facing material: Thermiculite®

Reinforcement: Tanged Stainless Steel SS316, 0.1mm thick.

Bond Type: Mechanical

Note:

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

API 607 Fire-Safe.

AVAILABILITY:

Sheet size:
1.0m x 1.0m
1.5m x 1.5m

For gaskets outside sheet size please contact Flexitallic Applications Engineering Department.

Thickness range:
1.0mm to 3.0mm

Colour: Golden

TYPICAL PHYSICAL PROPERTIES:

Thickness	1.5mm	3.0m
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 @ 300°C	31MPa	17MPa
Sulphur Content	<50ppm	<50ppm
Chloride Ion Content	<50ppm	<50ppm

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