

PRODUCT DATASHEET

THERMICULITE® 867

Thermiculite® 867 is a highly compressible sealing material giving excellent service at extremely high temperatures.

Thermiculite®
innovative. versatile. complete.

This Data Sheet refers to the material as supplied. The information contained herein is given in good faith, but no liability will be accepted by the Company in relation to same.

We reserve the right to change the details given on this Data Sheet as additional information is acquired. Customers requiring the latest version of this Data Sheet should contact our Applications Engineering Department.

The information given and, in particular, any parameters, should be used for guidance purposes only. The Company does not give any warranty that the product will be suitable for the use intended by the customer.

Health & Safety

For further Health and Safety information please see the relevant Material Safety Datasheets or contact Flexitallic UK Ltd.

Service:

The material is intended for use in applications involving pure or high concentrations of oxygen. It is based upon the mineral vermiculite and contains no organic binder or any other organic component.

Applications:

In oxygen service sealing applications Thermiculite® 867 can be used as a sheet sealing material or as a facing material for Flexpro (Kammprofile) gaskets. The material can also be blocked into various geometric shapes for use as a stem or valve bonnet seal.

Thermiculite® 867 is capable of sealing in high temperature environments. It is not intended for sealing water or aqueous solutions and should not be allowed to come into contact with such media in an unstressed condition. For oxygen service applications Thermiculite® 867 and sealing products made using this material are supplied in an 'oxygen clean' condition. Consequently sealing products should be handled in an appropriate manner and protective packaging should only be removed immediately prior to installation of the gasket.

BAM for Oxygen approved.

Availability:

Sheet size:
1m x 0.45m

Thickness range:
0.7mm
0.5mm

Typical Physical Properties:

Thickness	0.7mm
Density	1.9gcm ⁻³
ASTM Compression	22%
ASTM Recovery	15%
Cross Grain Tensile Strength	5MPa
BS Gas Permeability	< 0.5mL/min
Ignition Loss 670°C	< 3%