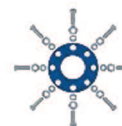


Flexitallic®



WILLIAM JOHNSTON
& COMPANY LIMITED

PRODUCT DATASHEET

THERMICULITE® 715



Thermiculite® 715 is a superior performance sheet sealing material comprising chemically exfoliated and thermally exfoliated vermiculite with aramid and synthetic fibres bound with a high quality nitrile rubber.

Thermiculite® 715 complies with the requirements of the BS 7531 Grade X Specification.

Thermiculite®
innovative. versatile. complete.

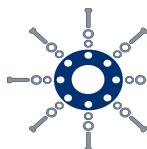
This Data Sheet refers to the material as supplied. The information contained herein is given in good faith, but no liability will be accepted by the Company in relation to same.

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 Ltd.



WILLIAM JOHNSTON
& COMPANY LIMITED

www.williamjohnston.co.uk

Disclaimer

Please note, failure to select the correct materials or products we supply ("the Products") may result in damage to plant, equipment or property. In some instances, it may cause death or personal injury. We are not designers and do not give advice about design related matters concerning the Products. We can help and assist with the technical specifications for the Products. In specific applications, particularly where critical conditions exist, we will try to assist you within the limitations of the services that we offer. All information supplied by us is intended as technical co-operation outlining the specifications of the different Products which we supply. To the extent permitted in law, no warranty is given in respect of any information supplied by us. The customer must satisfy themselves as to the suitability of the Products for their intended application and use. The correct fitting of Products is the responsibility of the customer. Your statutory rights remain unaffected. Save in respect of death, personal injury or fraud, our entire liability to you, however arising from the supply of Products shall be limited to the £10M indemnity amount provided by our insurers.

Service:

Thermiculite® 715 is a high performance coreless material suitable for use in a wide range of demanding and general industrial sealing applications. The material possesses excellent resistance to most chemical media and is suitable for sealing steam, acids, alkalis and virtually all general industrial chemicals.

Thermiculite® 715 complies with the requirements of the BS 7531 Grade X Specification.

Maximum recommended temperature:
540°C (1000°F)

Maximum recommended pressure:
14MPa (140 bar; 2030 psi)

Note:

These temperature and pressure guides cannot necessarily be used simultaneously and may not apply at all thicknesses.

Proprietary release agents are applied.

The recommended maximum continuous service temperature for 1.5 mm thick Thermiculite 715 is 450°C (850°F).

Do NOT use gasket pastes.

Availability:

Sheet size:
1.5m x 1.5m

Thickness range:
0.75mm to 3mm

Colour: Brown

Typical Physical Properties:

| Thickness | 1.5mm |
|---|----------------------|
| Density | 1.8gcm ⁻³ |
| ASTM Compressibility | 10% |
| ASTM Recovery | 45% |
| BS Stress Retention @ 300°C | 25MPa |
| BS Gas Permeability | < 0.1mL/min |
| ASTM Tensile Strength | 9MPa |
| Thickness Increase ASTM Oil 3 | 1.4% |
| Thickness Increase ASTM Fuel B | 0.2% |
| Weight Increase ASTM Oil 3 | 17.7% |
| Weight Increase ASTM Fuel B | 11.3% |
| ASTM F38 Creep Relaxation | 42.9% |
| ASTM F37 Liquid Leakage (Fuel A at 10 psi; Gasket Stress 1000 psi) | 1.4mL/hour |
| ASTM F37 Liquid Leakage (Fuel A at 50 psi; Gasket Stress 1000 psi) | 12.3mL/hour |
| Thermal Conductivity | 0.3W/m/K |

Head Office
Tel: 0141 620 1666

Inverness Office
Tel: 01463 238 673

The
Flexitallic
Group