

PRODUCT DATASHEET

THERMICULITE® 714

Thermiculite® 714 is an acid resistant calendered sheet sealing material reinforced with a blend of organic and inorganic fibres and bound in a specially formulated synthetic rubber binder matrix.

Service:

THERMICULITE® 714 is specially recommended for use in applications where mineral acids have to be sealed. It gives excellent performance in concentrated sulphuric and hydrochloric acids and can be used to seal nitric acid at concentrations up to 50% and temperatures up to 65°C.

THERMICULITE® 714 can also be used to seal a wide range of chemicals including oils, fuels, solvents, alkalis, water and steam.

Maximum recommended temperature:
200°C (390°F)

Maximum recommended pressure:
6.0MPa (60 bar; 870psi)

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

TA-LUFT approved.

Do NOT use gasket pastes.

Availability:

Sheet size:
1.5m x 1.5m

Thickness range:
0.5mm – 3.0mm

Colour: White

Typical Physical Properties:

Thickness	1.5mm
Density	1.57gcm ⁻³
ASTM Compressibility	17%
ASTM Recovery	50%
ASTM Tensile Strength	10MPa
DIN Stress Retention (175°C)	25MPa
DIN Gas Leakage	0.05 ml/min
Thickness Increase:	
96% Sulphuric acid	10% Max
50% Nitric acid at 65°C	8% Max

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.

FLEXITALLIC THERMICULITE® 714 PRESSURE / TEMPERATURE CURVE

