

Flexitallic®

PRODUCT DATASHEET

AF 2100

Flexitallic AF 2100 is a high performance nitrile rubber based sheet sealing material reinforced with glass fibre.

Service:

AF 2100 is suitable for sealing in a wide range of applications involving steam, water, oils, fuels, mild acids and alkalis.

Maximum recommended temperature: 475°C (887°F)

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

Note:

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

Do NOT use gasket pastes.

The higher compressibility of AF 2100 compared to CAF combined with the comparative effects of thickness on residual stress means that AF 2100 should be used at lower thicknesses. It is recommended that 1.0mm AF 2100 be used in place of 1.5mm CAF.

Availability:

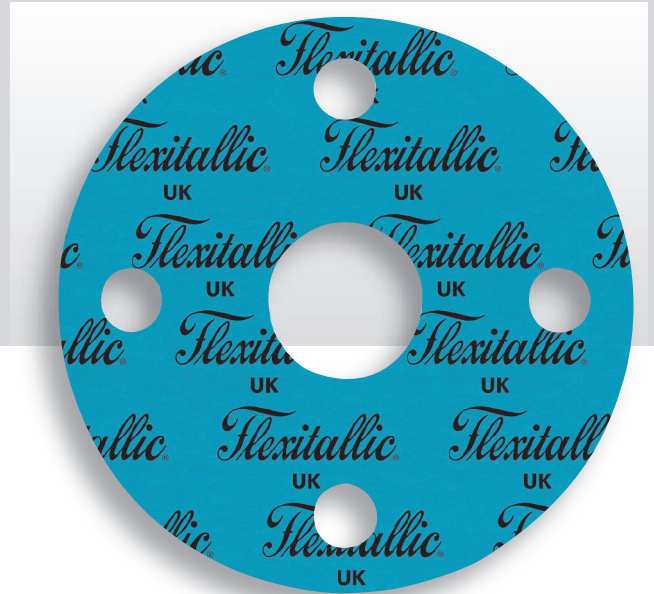
Sheet size:
1.5m x 1.5m

Thickness range:
0.4mm to 2.0mm

For applications in which a thickness greater than 2mm is essential SF 3300 is recommended.

Also available with SARK III release coating on both sides.

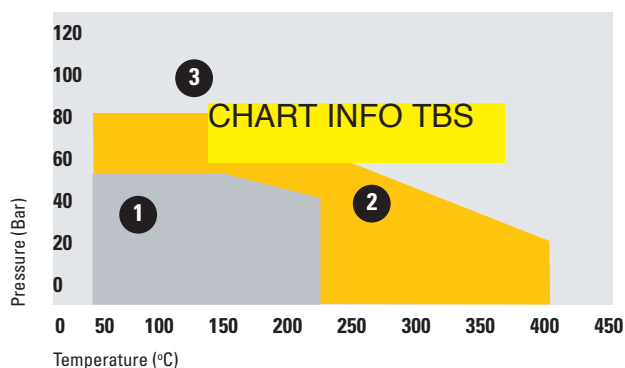
Colour: Blue



Typical Physical Properties:

Thickness	1.0mm
Density	1.60gcm ⁻³
ASTM Compressibility	18%
ASTM Recovery	68%
BS Residual Stress	27 MPa
DIN Gas Permeability	0.03mL/min
ASTM Oil Thickness Increase	5%
ASTM Fuel B Thickness Increase	10%
ASTM Oil 3 Weight Increase	18%
ASTM Fuel B Weight Increase	19%

AF 2100 Pressure/Temperature Limits



- 1 Suitable subject to chemical compatibility.
- 2 Suitable in some cases but check your application requirements with Flexitallic.
- 3 Contact the Application Engineering Team for applications with higher temperatures and pressures. Applicable to 1.5mm and below.

The operating temperature of non-asbestos sheet material is related to the thickness of materials selected. Thinner materials give better temperature and pressure properties.

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.