



High temperature, chemically resistant sheet sealing material comprising, chemically and thermally exfoliated vermiculite and steatite chemically bonded to a 50 micron 316 stainless steel reinforcing core.

The material has found usage where a robust product is required with small land-widths.

## Service

Maximum Service Temperature: 1000°C (1830°F)

Maximum Service Pressure: 15 MPa (150 bar; 2175 psi)

TA-LUFT approved.

## Properties

- \* Conformable.
- \* Resilient.
- \* Suitable for high temperature applications.
- \* Excellent gas and liquid sealing characteristics.
- \* Good stress retention.
- \* Excellent low load sealing characteristics.
- \* Suitable for use in high temperature low stress sealing applications.
- \* Chemically resistant.
- \* Very low halogen content coupled with a sulphur free curing system gives excellent resistance to stress corrosion.
- \* Suitable for seawater service or marine environments. This contrasts with products based on exfoliated graphite where galvanic corrosion can occur.
- \* Not susceptible to thermal oxidation.

## Availability

Thickness range 1.0 mm (others may be available on request)

Sheet size 1000 x 380 mm

## Typical Physical Properties

Nominal Thickness	(mm)	1.0
Facing Density	g/cm <sup>3</sup>	1.55
Laminate Density	g/cm <sup>3</sup>	1.60
ASTM Compressibility	%	40
ASTM Recovery	%	15
BS 7531 Gas Permeability	mL/min	0.01
BS 7531 Stress Retention @ 300°C	MPa	26
Sulphur Content	ppm	<50
Chloride Ion Content	ppm	<50

## Warranty exclusion

In view of the variety of different installation and operation conditions as well as application and process engineering options, the information given in this datasheet can only provide approximate guidance and cannot be used as basis for warranty claims.