

Flexitallic

novusTM
a Flexitallic brand

WILLIAM JOHNSTON
& COMPANY LIMITED

Data / Specification Sheet • Novus TI (Tanged)

Novus TI is a graphite laminate product reinforced with an insertion of tanged 0.10mm thick 316 stainless steel. No adhesive is required to bond the graphite layers to the tanged insert resulting in a sturdy gasket material with excellent mechanical strength.



Service

Novus TI is used throughout industry in pipeline and vessel applications. Its wide temperature range and excellent stress retention make it ideal for steam systems and process duties in the petrochemical and manufacturing industries.

Availability

Thickness range:
1.0mm to 3.0mm

Standard sheet size:
1.5m x 1.5m

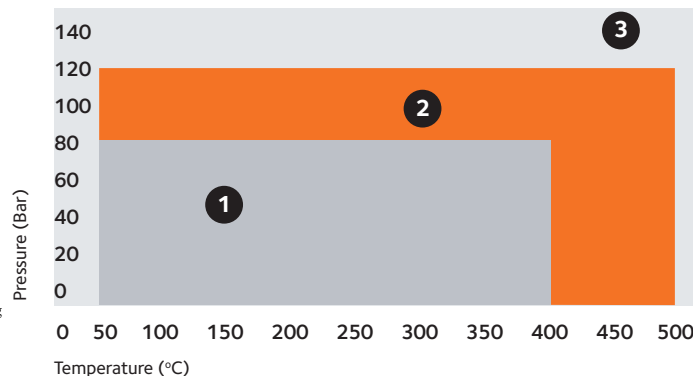
Approvals

BAM Oxygen

Physical properties

| | | |
|------------------|-------------------|----------------------|
| Thickness | | 1.5mm |
| Density | | 1.0g/cm ³ |
| No. of Inserts | | 1 |
| Ash Content | | Max 2% |
| Chloride Content | | Max 50ppm |
| Compressibility | ASTM F36A | 30-35% |
| Recovery | ASTM F36A | 15-20% |
| Residual Stress | DIN 52913 (300°C) | >48 MPa |
| ASME m Factor | | 2.5 |
| y Value | | 3000psi |

Novus TI Pressure/Temperature Limits



- 1 Suitable subject to chemical compatibility.
- 2 Suitable in some cases but check your application requirements with Flexitallic.
- 3 Contact the Technical 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.

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HEAD OFFICE: 9 Spiersbridge Terrace, Thornliebank Ind. Estate, Glasgow G46 8JH

Tel: +44 (0) 141 620 1666 Fax: +44 (0)141 620 1888 Email: sales@williamjohnston.co.uk www.williamjohnston.co.uk