

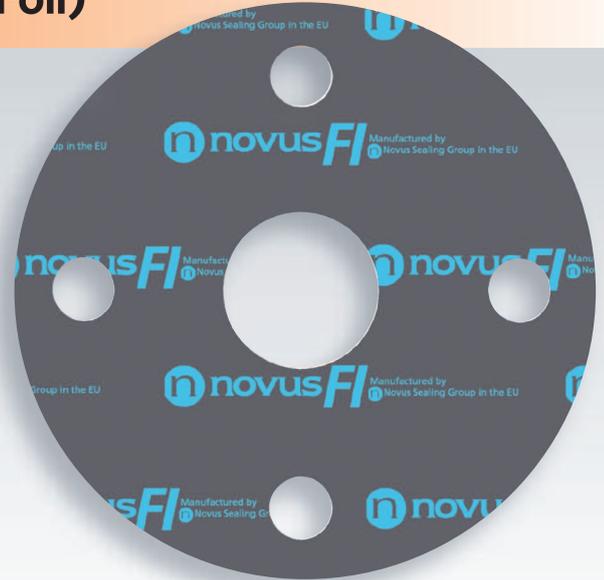
Flexitallic

novusTM
a Flexitallic brand

WILLIAM JOHNSTON
& COMPANY LIMITED

Data / Specification Sheet • Novus FI (Foil)

Novus FI is a graphite laminate material with one or more thin, flat stainless steel 316 insertions. The thickness of the reinforcement is 0.05mm. The graphite sheet is fixed to the insertion by means of a super thin chloride-free adhesive layer. This reinforcement results in a sturdy gasket which is relatively easy to handle and simple to process into gaskets.



Service

Novus FI is used in a wide range of applications in the chemical and petrochemical and manufacturing industries, including pumps, compressors and pipe joints. It is commonly used as a back up sheet for Novus TI due to the ease of manual cutting.

Approvals / Compliance

BAM for Oxygen approved

Availability

Thickness range:
1.0mm to 3.0mm

Standard sheet size:
1.0m x 1.0m

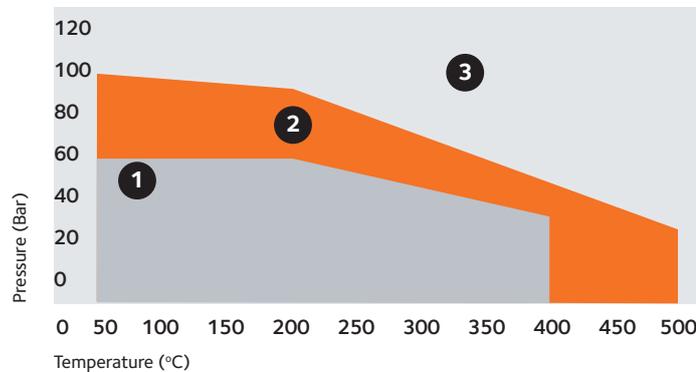
Other thicknesses available
on request.

Physical properties

Thickness		1.5mm
No. of Inserts		1
Density		1.0g/cm ³
Ash Content		Max 2%
Chloride Content		Max 50ppm
Compressibility	ASTM F36A	40-50%
Recovery	ASTM F36A	10-15%
Residual Stress	DIN 52913 (300°C)	Min 45 MPa
ASME m Factor		2
y Value		1500psi

As the company's products are used for a multiplicity of purposes and as the company has no control over the method of their applications or use, the company excludes all conditions or warranties, expressed or implied by statute or otherwise, as to their products and/or their fitness for any particular purpose. Any technical co-operation between the company and the customer is given for customers assistance only, and without liability on the part of the company.

Novus FI 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.

WILLIAM JOHNSTON
& COMPANY LIMITED

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.