

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

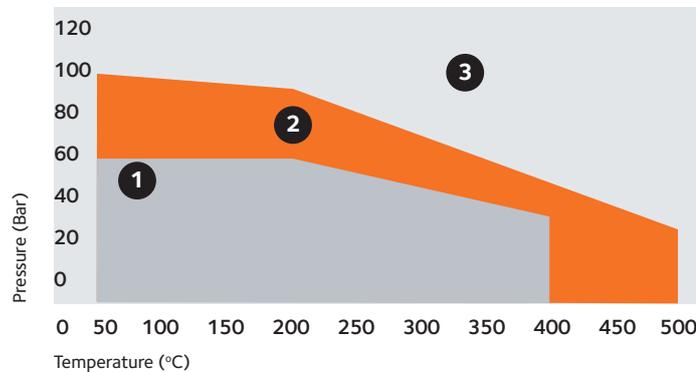
Standard sheet size:
1.0m x 1.0m

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

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.

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