

Flexitallic

novusTM
a Flexitallic brand

WILLIAM JOHNSTON
& COMPANY LIMITED

Data / Specification Sheet • Novus 28

Novus 28 is a high compression grade sheet material based on aramid fibres with a high quality nitrile binder system.



Service

Novus 28 is specifically designed for use in low bolt-loaded irregular flanges. Typical flanges include glass lined, ceramic, plastic coated or uneven flanges.

Availability

Thickness range:
0.4mm to 3.0mm

Standard sheet sizes:

2.0m x 2.0m
2.0m x 1.5m
2.0m x 1.0m
1.5m x 1.5m
1.5m x 1.0m.

Standard roll sizes:

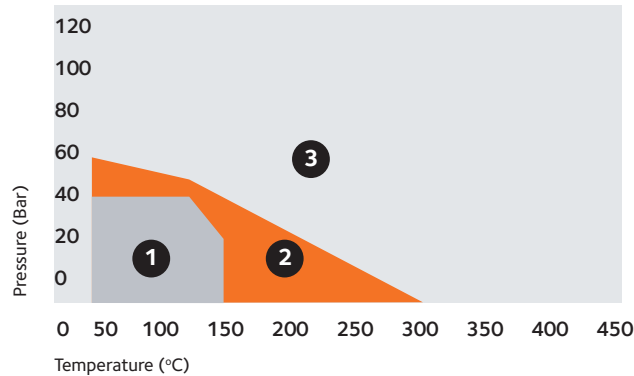
Up to a maximum size of 6.0m x 2.0m

It can also be supplied with anti-stick coating and graphite coating.

Physical properties

Thickness		1.5mm
Density		1.7g/cc
Tensile Strength	ASTM F152	8MPa
Compression	ASTM F36	16 to 25%
Recovery	ASTM F36	>50% min
Residual Stress	DIN 52913 50N/mm ² 175°C BS7521	29MPa
Gas Leakage	BS 7531	<0.01cc/min
ASTM Oil 1	Thickness increase	1.0%
IRM 903 Oil	Thickness increase	4.0%
ASTM Fuel B	Thickness increase	4.0%

Novus 28 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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