

Flexitallic®

n novus™
a Flexitallic brand

Data / Specification Sheet • Novus 21

Novus 21 is a medium quality compressed sheet material based on aramid fibre with a nitrile rubber binder system.



Service

Novus 21 is a general purpose material suitable for use in a wide range of applications, including hot and cold water, oils, fuels, low pressure steam and a wide range of general chemicals.

Availability

Thickness range:
0.4mm to 6.0mm

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

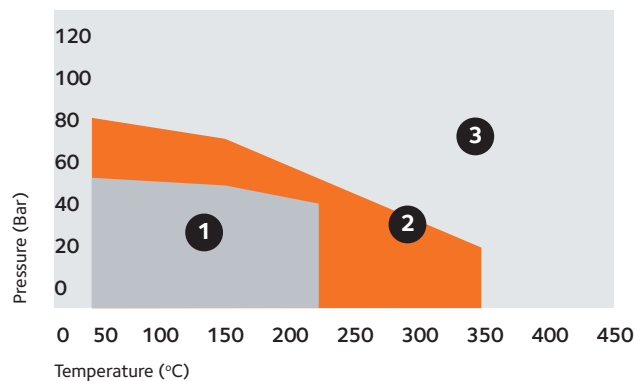
Available with a gauze mild steel wire reinforcement: Novus 21 GWI.

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

Physical properties

Thickness		1.5mm
Density		2.0g/cc
Tensile Strength	ASTM F152	12MPa
Compression	ASTM F36	8%
Recovery	ASTM F36	50% min
Residual Stress	BS 7531 (300°C)	20MPa
	DIN 52913	27MPa
Gas Leakage	BS 7531	<1.0cc/min
ASTM Oil 1	Thickness increase	1.5%
IRM 903 Oil	Thickness increase	3.0%
ASTM Fuel B	Thickness increase	2.5%

Novus 21 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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