

Flexitallic®

novus™
a Flexitallic brand

Data / Specification Sheet • Novus 45

Novus 45 is a quality compressed sheet material, manufactured from aramid fibres bound with a high quality nitrile rubber.



Service

Novus 45 is a general purpose material suitable for use with oils, solvents, gases, water, low pressure steam and most dilute acids and alkalis.

Approvals / Compliance

TA-LUFT (in accordance with VDI Guideline 2440)

GL Approval 37702 - 12HH

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

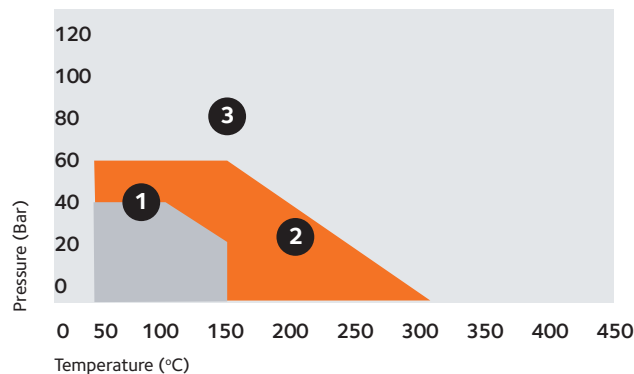
Available with gauze mild steel wire reinforcement: Novus 45 GWI.

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

Physical properties

Thickness		1.5mm
Density		1.9g/cc
Tensile Strength	ASTM F152	12MPa
Compression	ASTM F36	10%
Recovery	ASTM F36	50% min
Residual Stress	BS 7531 (300°C)	18MPa
	DIN 52913	23MPa
Gas Leakage	BS 7531	<1.0cc/min
ASTM Oil 1	Thickness increase	2.0%
IRM 903 Oil	Thickness increase	5.0%
ASTM Fuel B	Thickness increase	6.0%

Novus 45 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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