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 qualirt nitrile rubber.

Service

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

Approvals / Compliance

TA-LUFT (in accordance with VDI Guideline 2440)

GL Approval 37702 – 12HH

DNVGL – TAP00000X5

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:
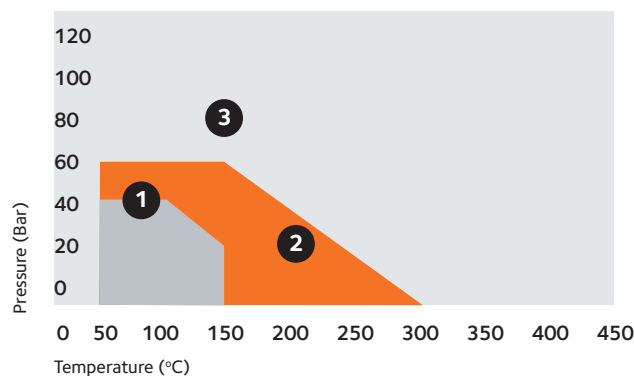Up to a maximum size of 6.0m x 2.0m

Available with gauze mild steel wire reinfiorcement: 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) DIN 52913	18MPa 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

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.

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.