

# Flexitallic®

**n novus™**  
a Flexitallic brand

## Data / Specification Sheet • Novus 34

**Novus 34** is a superior performance universal compressed sheet material based on a blend of aramid/ inorganic fibres and special additives, with high quality nitrile rubber binder system.



### Service

Novus 34, a superior performance material with excellent mechanical properties, it is suitable for many applications including oils, solvents, high pressure steam and gases including oxygen.

### Approvals / Compliance

WRAS Potable Water:

Registration No. 1406501

BAM (Oxygen service) up to 60°C and 160 bar

Complies with BS Specification 7531 Grade X

TA-LUFT

(in accordance with VDI Guideline 2440)

GL Approval cert 37702 – 12HH

API 6FB Fire-safe

### Availability

Thickness range:

0.25mm 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 fine mesh mild steel

reinforcement: Novus 34 Metallic or gauze

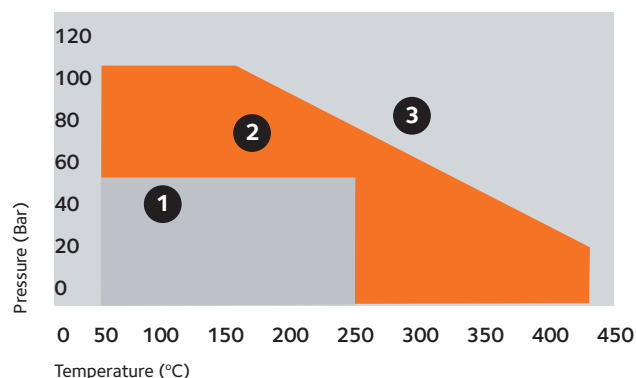
mild steel wire reinforcement: Novus 34 GWI.

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

### Typical Physical Properties

<b>Thickness</b>		1.5mm	3mm
<b>Density</b>		1.75g/cc	1.77g/cc
<b>Tensile Strength</b>	ASTM F152	9-11MPa	8-10MPa
<b>Compression</b>	ASTM F36	9%	8%
<b>Recovery</b>	ASTM F36	55% min	55% min
<b>Residual Stress</b>	BS 7531 (300°C) DIN 52913	26MPa 32MPa	17MPa
<b>Gas Leakage</b>	BS 7531	<1.0cc/min	<1.0cc/min
<b>ASTM Oil 1</b>	Thickness increase	1.0%	1.5%
<b>IRM 903 Oil</b>	Thickness increase	2.5%	2.7%
<b>ASTM Fuel B</b>	Thickness increase	3.0%	3.2%

### Novus 34 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 2.0mm 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.

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.