

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

Approved by Australian Gas Association (AGA)

AGA AS4623-2008 Class III, Pressure 2 MPa,

LP Gas storage

Temperature Range:-10°C to 135°C

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

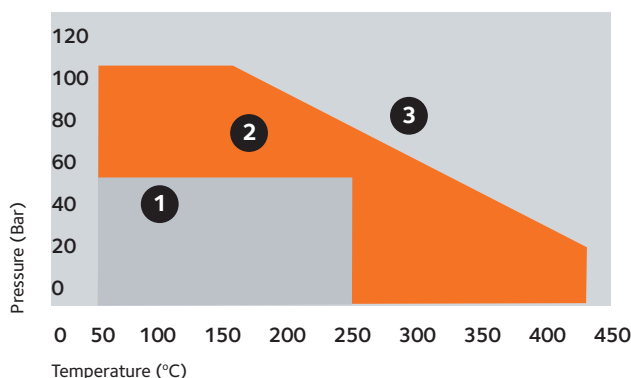
mild steel wire reinforcement: Novus 34 GWI.

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

Typical Physical Properties

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

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.

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