

Flexitallic®

n novus™
a Flexitallic brand

Data / Specification Sheet • Novus 10

Novus 10 is a premium grade compressed sheet material based on carbon fibre with a high quality nitrile rubber binder system.



Service

A universal grade especially suitable for use under alkaline conditions with good steam resistance. It also possesses excellent creep resistance and is suitable for use with oils, fuels and refrigerants.

Approvals / Compliance

BS Specification 7531 Grade X

API 607 Fire Safe

TA-LUFT (in accordance with VDI Guideline 2440)

DNVGL – TAP00000X4

Availability

Thickness range:
0.4mm to 6.0mm

Standard sheet sizes:

2.0m x 2.0m
2.0m x 1.5m
1.5m x 1.5m
1.5m x 1.0m

Standard roll sizes:

Up to a maximum size of 6.0m x 2.0m

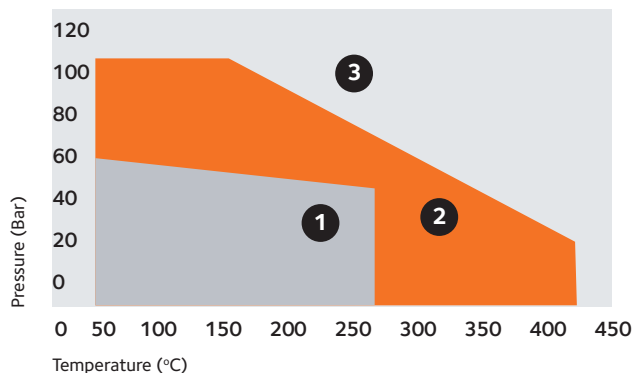
Available with a fine mesh mild steel reinforcement: Novus 10 Metallic, can also be supplied with anti-stick finish.

Supplied as standard with anti-stick coating, can also be supplied with graphite coating.

Physical properties

Thickness		1.5mm
Density		1.57g/cc
Tensile Strength	ASTM F152	13MPa
Compression	ASTM F36	11%
Recovery	ASTM F36	62% min
Residual Stress	BS 7531 (300°C)	25MPa
Gas Leakage	BS 7531	<1cc/min
ASTM Oil 1	Thickness increase	1.0%
IRM 903 Oil	Thickness increase	2.5%
ASTM Fuel B	Thickness increase	2.5%

Novus 10 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 application 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.

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 customer's assistance only, and without liability on the part of the company.

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Data / Specification Sheet • Novus 20

Novus 20 is a good quality compressed sheet material based on aramid fibre with a nitrile rubber binder system.



Service

Novus 20 is a general purpose material suitable for use in a wide range of applications, including hot and cold water, steam, oils, fuels, gases and a wide range of general chemicals.

Approvals / Compliance

Complies with BS Specification 7531 Grade Y

WRAS Potable Water:
Registration No. 1406527

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

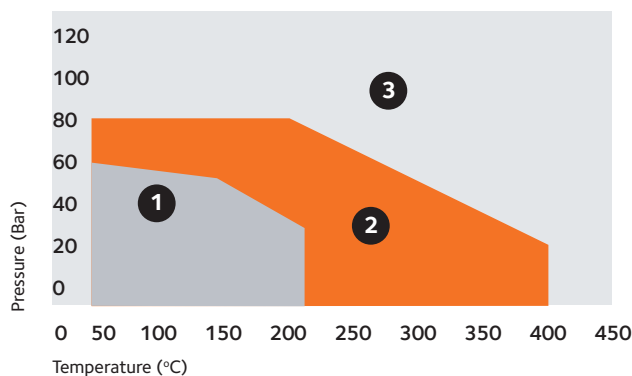
Available with fine mesh mild steel reinforcement: Novus 20 Metallic, or gauze mild steel wire reinforcement: Novus 20 GWI.

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

Physical properties

Thickness		1.5mm
Density		1.9g/cc
Tensile Strength	ASTM F152	14MPa
Compression	ASTM F36	8%
Recovery	ASTM F36	55% min
Residual Stress	BS 7531 (300°C)	23MPa
	DIN 52913	29MPa
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	2.5%

Novus 20 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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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

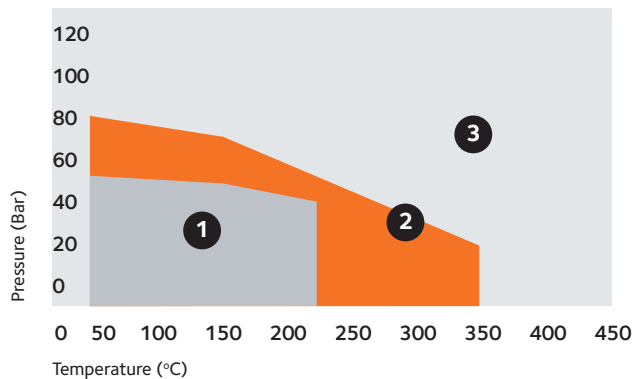
Available with a gauze mild steel wire reinforcement: Novus 21 GWI.

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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Data / Specification Sheet • Novus 26

Novus 26 is a premium quality compressed sheet material composed of aramid fibres with a SBR/Natural rubber binder system. It is specially formulated to exhibit controlled swell properties in oil combined with good resistance to water.



Service

Novus 26 is particularly suitable for the automotive industry, where controlled swell properties are required.

Availability

Thickness range:
0.5mm to 3.0mm

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:

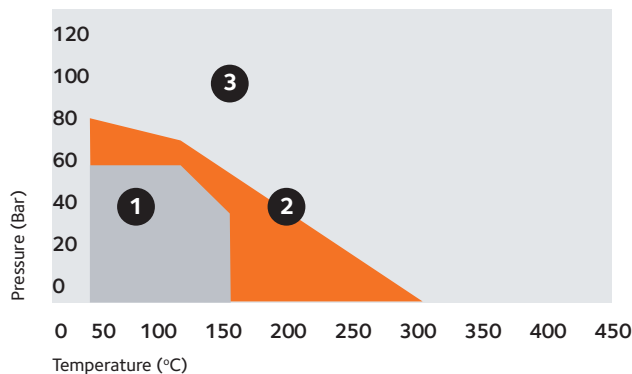
Up to a maximum size of 6.0m x 2.0m

It can also be supplied with anti-stick coating.

Physical properties

Thickness		1.5mm
Density		1.96g/cc
Tensile Strength	ASTM F152	10.3MPa
Compression	ASTM F36	8%
Recovery	ASTM F36	>40%
Residual Stress	BS 7531 (300°C) DIN 52913	19MPa
Gas Leakage	BS 7531	<1.0cc/min
ASTM Oil 1	Thickness increase	0-20%
IRM 903 Oil	Thickness increase	20-70%
ASTM Fuel B	Thickness increase	10-40%

Novus 26 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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Data / Specification Sheet • Novus 27

Novus 27 is a compressed sheet material based on aramid fibre and recycled material, with a nitrile rubber binder system. It is classed as a medium quality, cost effective product.



Service

Novus 27 is a general purpose material suitable for use in many applications, including hot and cold water, low pressure steam, oils, fuels, gases and a wide range of general chemicals.

Availability

Thickness range:
0.4mm to 3.0mm

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 27 GWI.

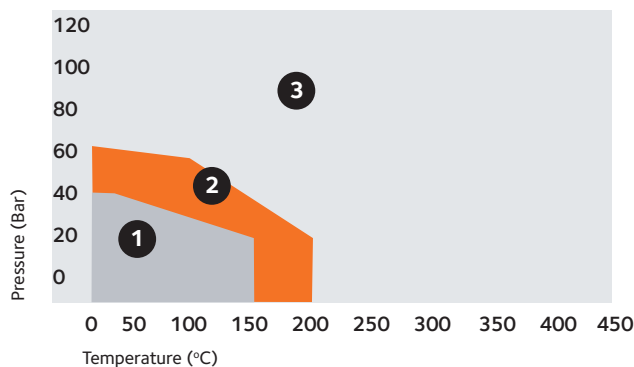
Colour

Green

Physical properties

Thickness		1.5mm
Density		1.95g/cc
Tensile Strength	ASTM F152	11MPa
Compression	ASTM F36	8%
Recovery	ASTM F36	50% min
Residual Stress	BS 7531 (300°C)	17MPa
	DIN 52913 (175°C)	23MPa
Gas Leakage	BS 7531	<1.0cc/min
ASTM Oil 1	Thickness increase	1.0%
IRM 903 Oil	Thickness increase	2.0%
ASTM Fuel B	Thickness increase	3.0%

Novus 27 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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Data / Specification Sheet • Novus 28

Novus 28 is a high compression grade sheet material based on aramid fibres with a high quality nitrile binder system.

Service

Novus 28 is specifically designed for use in low bolt-loaded irregular flanges. Typical flanges include glass lined, ceramic, plastic coated or uneven flanges.

Availability

Thickness range:
0.4mm to 3.0mm

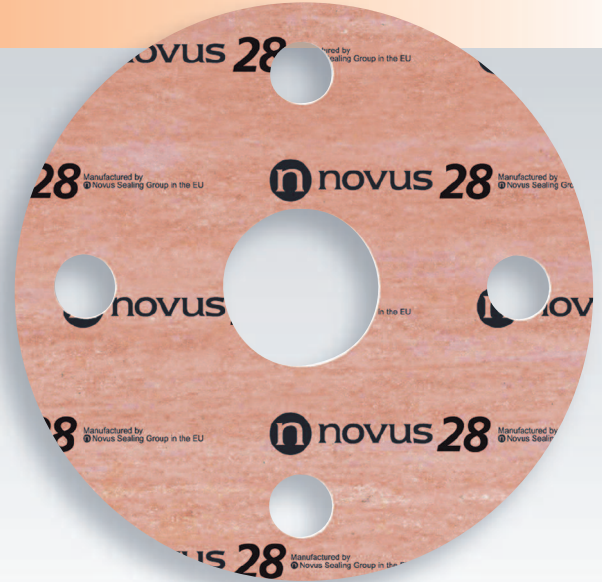
Standard sheet sizes:

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

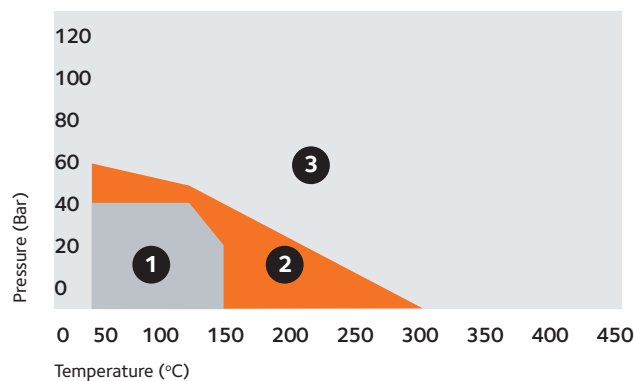
It can also be supplied with anti-stick coating and graphite coating.



Physical properties

Thickness		1.5mm
Density		1.7g/cc
Tensile Strength	ASTM F152	8MPa
Compression	ASTM F36	16 to 25%
Recovery	ASTM F36	>50% min
Residual Stress	DIN 52913 50N/mm ² 175°C BS7521	29MPa
Gas Leakage	BS 7531	<0.01cc/min
ASTM Oil 1	Thickness increase	1.0%
IRM 903 Oil	Thickness increase	4.0%
ASTM Fuel B	Thickness increase	4.0%

Novus 28 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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Data / Specification Sheet • Novus 30

Novus 30 is a good quality compressed sheet material based on a blend of aramid and inorganic fibres with a nitrile rubber binder system.



Service

Novus 30 is a general purpose material suitable for use in a wide range of applications, including hot and cold water, steam, oils, fuels, gases and a wide range of general chemicals.

Approvals / Compliance

WRAS Potable Water:
Registration No. 1510515

Complies with BS Specification 7531
Grade Y

TA-LUFT (in accordance with VDI
Guideline 2440)

DNVGL – TAP00000X4

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

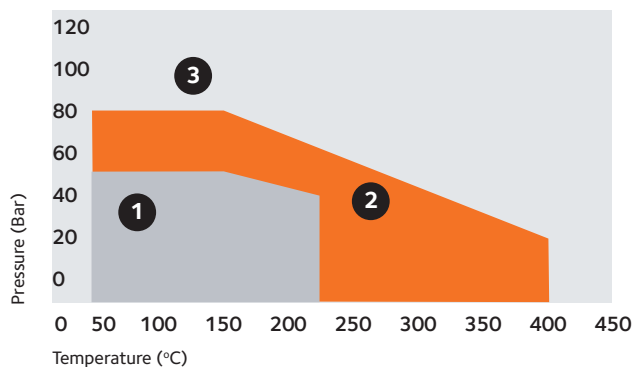
Available with fine mesh mild steel
reinforcement: Novus 30 Metallic or
gauze mild steel wire reinforcement:
Novus 30 GWI.

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

Physical properties

Thickness		1.5mm
Density		2.0g/cc
Tensile Strength	ASTM F152	12MPa
Compression	ASTM F36	9%
Recovery	ASTM F36	50% min
Residual Stress	BS 7531 (300°C)	23MPa
	DIN 52913	29MPa
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	4.0%

Novus 30 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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Data / Specification Sheet • Novus 31

Novus 31 is a medium quality cost effective compressed non-asbestos sheet material, based on a blend of aramid and inorganic fibre with a high quality nitrile binder system.



Service

Novus 31 is a general purpose material suitable for use with oils, solvents, gases, hot and cold water, low pressure steam and many dilute acids and alkalis.

The operating temperature for non-asbestos sheet material is related to the thickness of the materials selected. Thinner materials offer better temperature and pressure properties.

Approvals / Compliance

DNVGL – TAP00000X4

Availability

Thickness range:
0.4mm to 3.2mm

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:

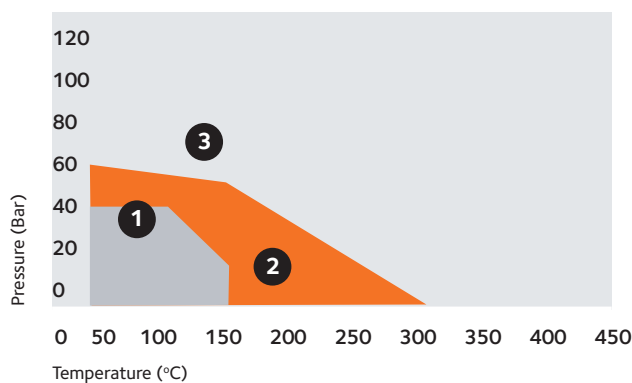
Up to a maximum size of 6.0m x 2.0m

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

Physical properties

Thickness		1.5mm
Density		2.0g/cc
Tensile Strength	ASTM F152	8MPa
Compression	ASTM F36	>6%
Recovery	ASTM F36	>50% min
Residual Stress	BS 7531 (300°C)	15MPa
	DIN 52913	50MPa
Gas Leakage	BS 7531	<1.0cc/min
ASTM Oil 1	Thickness increase	1.0%
ASTM Oil 3	Thickness increase	4.0%
ASTM Fuel B	Thickness increase	4.0%

Novus 31 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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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. 1907510

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)

DNVGL – TAP00000X4

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

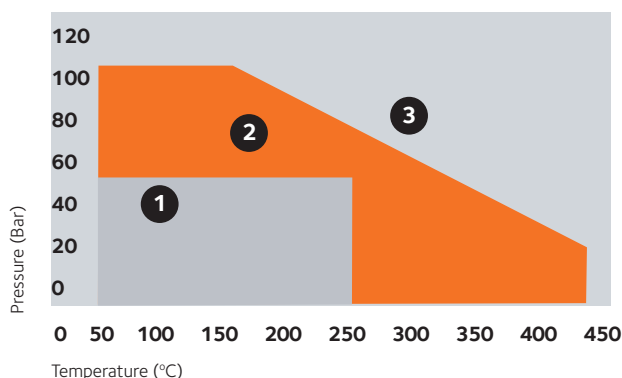
Available with fine mesh mild steel reinforcement: Novus 34 Metallic or gauze mild steel wire reinforcement: Novus 34 GWL.

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

Typical Physical Properties

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

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Data / Specification Sheet • Novus 35

Novus 35 is a superior performance aramid/mineral fibre sheet sealing material bound with a high quality nitrile rubber.



Service

Specifically designed for sealing split-case pumps handling high pressure water, Novus 35 is also suitable for general industrial applications where an asbestos-free sheet is desirable. Do NOT use gasket pastes

Availability

For its intended service use Novus 35 is produced 0.4 mm thick. Higher thicknesses may be available on request.

Health and Safety

Because of the binding processes which take place during manufacture, the product is believed to present no health and safety hazard and, under normal handling and use it is unlikely that the product will give rise to significant levels of exposure to constituent materials.

Novus 35 is reinforced with glass and aramid fibres. Small amounts of crystalline silica may also be present in the filler material.

Under harsh mechanical treatment (e.g. high speed stamping operations or abrasion) or if the product has become embrittled by high temperature applications, the constituents may give rise to irritant dust which, in extreme cases of exposure, could lead to more serious respiratory problems. Occupational exposure to such dusts should therefore be minimised and kept below relevant national exposure limits. Flexitallic has adopted an in-house fibre Control Limit of 0.5 fibre per millilitre of air (8 hour TWA) for asbestos-free fibres which may be respirable. Good standards of hygiene should be applied during gasket cutting operations and off-cuts should be disposed of by transfer to a site appropriately licensed to accept industrial materials of this nature.

Although the reinforcing fibres and fillers are inherently flame resistant, at elevated temperatures or in a sustained fire, decomposition will occur and give rise to irritant and in some instances harmful or toxic fumes.

For more detailed information, reference must be made to our Health and Safety Bulletin, Sections 1, 2, 2.2, 2.3, 2.9 (barium sulphate, clay, amorphous silica), 2.12, 3, and 3.1. This will enable you to carry out any necessary assessment of risk which may be required under national or local legislation.

Typical Physical Properties

Thickness	ASTM F104	0.40mm
Density	ASTM F104	1.77g/cm ³
Compression	ASTM F36	9%
Recovery	ASTM F36	58%
Tensile	ASTM F152	16MPa
Sealability	ASTM F37 A CP-65	0.8ml/hr
Flexibility (12 x mandrel)	ASTM F147	No cracks
OIL RESISTANCE		
Tensile Loss	ASTM F146	26%
Thickness Increase	ASTM F146	4%
Flexibility (12 x mandrel)	ASTM F146	No cracks
Decomposition	ASTM F146	No disintegration

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Data / Specification Sheet • Novus 40

Novus 40 is a good quality compressed sheet material based on a blend of aramid and inorganic fibres with a rubber binder system.

Service

Novus 40 is a general purpose material suitable for use in a wide range of applications, including hot and cold water, steam, oils, fuels, gases and a wide range of general chemicals.

Availability

Thickness range:
0.4mm to 3.0mm

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 40 Metallic.

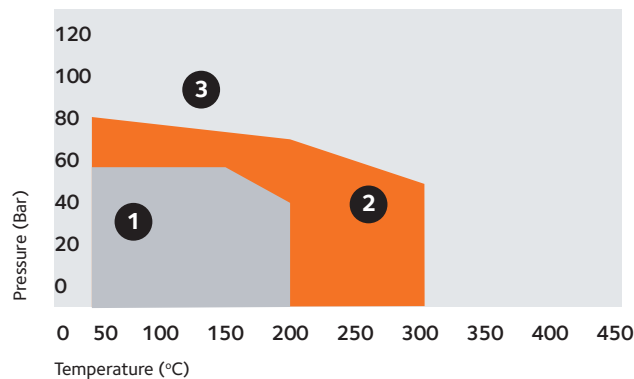
It can also be supplied with anti-stick coating and graphite coating.



Physical properties

Thickness		1.5mm
Density		2.0g/cc
Tensile Strength	ASTM F152	12MPa
Compression	ASTM F36	9%
Recovery	ASTM F36	50% min
Residual Stress	BS 7531 (300°C)	20MPa
	DIN 52913	29MPa
Gas Leakage	BS 7531	<1.0cc/min
ASTM Oil 1	Thickness increase	10%
IRM 903 Oil	Thickness increase	20%
ASTM Fuel B	Thickness increase	20%

Novus 40 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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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

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

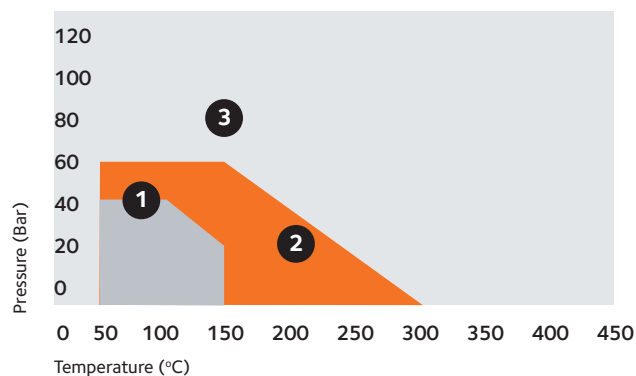
Available with gauze mild steel wire reinforcement: Novus 45 GWI.

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.

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.

Flexitallic®

novus™
a Flexitallic brand

Data / Specification Sheet • Novus 48 Acid

Novus 48 Acid is a specially formulated compressed sheet material, based on a blend of fibres with an acid resistant binder system.



Service

Novus 48 Acid is designed to withstand aggressive chemical environments. A chemical grade material suitable for most acids, alkalis, oils, fuels and refrigerants.

Availability

Thickness range:
0.4mm to 3.0mm

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

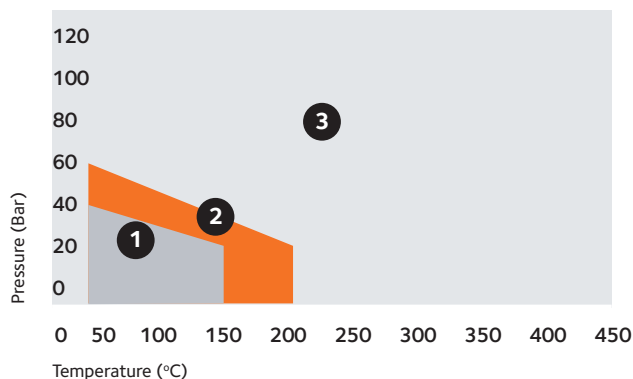
Standard roll sizes:

Up to a maximum size of 6.0m x 2.0m

Physical properties

Thickness		1.5mm
Density		1.75g/cc
Tensile Strength	ASTM F152	11 MPa
Compression	ASTM F36	10%
Recovery	ASTM F36	50% min
Gas Leakage	BS 7531	<1.0cc/min
95% Sulphuric Acid	Thickness increase	16.0%
36% Hydrochloric Acid	Thickness increase	15.0%
50% Nitric Acid	Thickness increase	7.0%

Novus 48 Acid 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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Flexitallic®

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Data / Specification Sheet • Novus 49 Graftec

Novus 49 Graftec is a compressed sheet material which combines a high percentage of graphite, reinforced with aramid fibres and a small amount of rubber binder.



Service

Novus 49 Graftec is a high 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. 1009505

BAM (Oxygen service) up to 90°C
and 160 bar

Complies with BS Specification 7531 Grade X

TA-LUFT (in accordance with VDI
Guideline 2440)

DNVGL – TAP00000X4

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

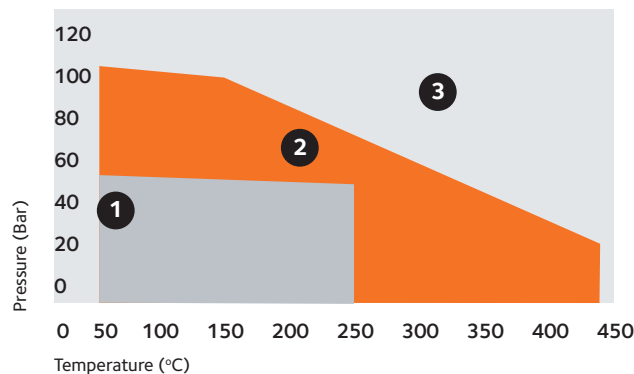
Available with fine mesh mild steel
reinforcement: Novus Graftec Metallic
or gauze mild steel wire reinforcement:
Novus Graftec GWI.

Supplied with anti-stick coating as standard.

Physical properties

Thickness		1.5mm
Density		1.65g/cc
Tensile Strength	ASTM F152	13MPa
Compression	ASTM F36	11%
Recovery	ASTM F36	55% min
Residual Stress	BS 7531 (300°C) DIN 52913	26MPa 31MPa
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	2.5%

Novus 49 (Graftec) 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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dobson gaskets

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NEED ADVICE?

TALK TO A TECHNICIAN

Our highly experienced technicians can advise you on the best sheet materials and manufacturing processes for a wide range of gasket applications.

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