

# 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)

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  
1.5m x 1.5m  
1.5m x 1.0m

Standard roll sizes:

Up to a maximum size of 6.0m x 2.0m

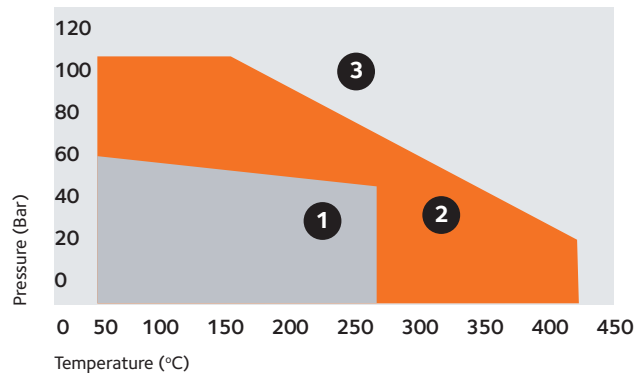
Available with a fine mesh mild steel reinforcement: Novus 10 Metallic, can also be supplied with anti-stick finish.

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

### Physical properties

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

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