

# Flexitallic®

**novus™**  
a Flexitallic brand

## 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

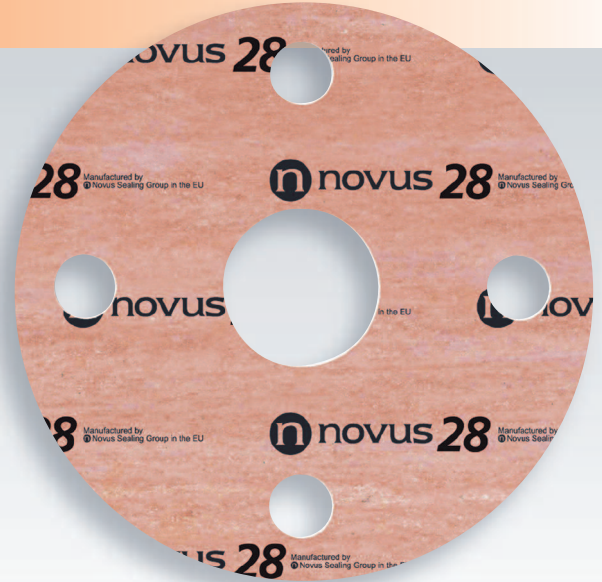
Standard sheet sizes:

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

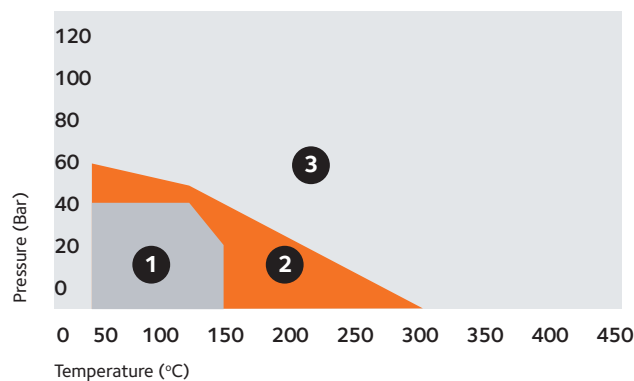
It can also be supplied with anti-stick coating and graphite coating.



### Physical properties

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