

# Flexitallic®

**novus**<sup>TM</sup>  
a Flexitallic brand

**WILLIAM JOHNSTON**  
& COMPANY LIMITED

## 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

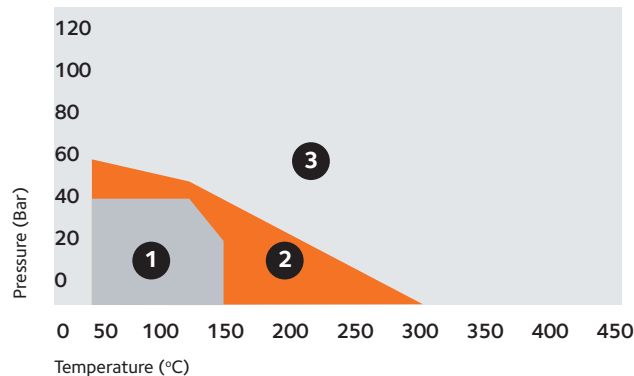
It can also be supplied with anti-stick coating and graphite coating.



### 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><br>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.

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.