

# Flexitallic®

**novus™**  
a Flexitallic brand

## Data / Specification Sheet • Novus Uniflon 50

**Novus Uniflon 50** is a superior performance biaxially orientated PTFE sheet sealing material with highly conformable properties, ideally suited to standard and irregular flanges.

### Service

Novus Uniflon 50 is specifically designed for use in low bolt loaded irregular flanges. Typical flanges include glass lined, ceramic, plastic coated or uneven and badly distorted flanges. It is suitable for sealing all chemicals across the whole pH range with the exception of molten alkali metals. (See the chemical resistance chart for information).

### Approvals / Compliance

Conforms with FDA21 CFR 177.1550 regulations.

### Availability

Thickness range:  
0.75mm to 3.0mm

Standard sheet sizes:

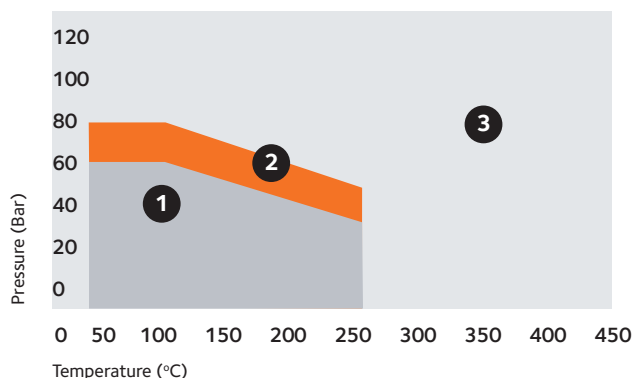
1.0m x 1.0m  
1.5m x 1.0m  
2.0m x 1.0m  
1.5m x 1.5m  
2.0m x 1.5m  
2.0m x 2.0m



### Physical properties

<b>Thickness</b>		1.5mm
<b>Density</b>		1.4g/cc
<b>Tensile Strength</b>	ASTM F152	11 MPa
<b>Compression</b>	ASTM F36	40%
<b>Recovery</b>	ASTM F36	30% min
<b>Residual Stress</b>	DIN @ 175°C	25MPa
<b>Creep Relaxation</b>	ASTM F38	35%
<b>Gas Permeability</b>	DIN 3535	<0.02cc/min
<b>Liquid Leakage</b>	ASTM F37	0.23ml/hr

### Novus Uniflon 50 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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