



**Manufacturers and distributors of sealing and Jointing Materials**

**DATA / SPECIFICATION SHEET**

# UNIFLON 51

**DESCRIPTION**

Novus Uniflon 51 is a superior performance biaxially orientated PTFE sheet material with a silica filler.

**SERVICE**

A general purpose grade for sealing applications across the whole pH range. It is particularly suitable for use with strong acids (except hydrofluoric acid) and alkalis. Other applications include solvents, fuels, water, steam, and chlorine. (See chemical resistance chart for information)

**APPROVALS / COMPLIANCE**

BAM-Oxygen service for gaseous oxygen at temperatures up to 150°C and with liquid oxygen

BAM-Ref:II- 1683/2003-1.

BAM- chemical resistance test against Ethylene oxide, Propylene oxide (100%) and a mixture of Ethylene oxide/Propylene oxide according to the guidelines of the German Lloyd(GL2002,1-1-7)

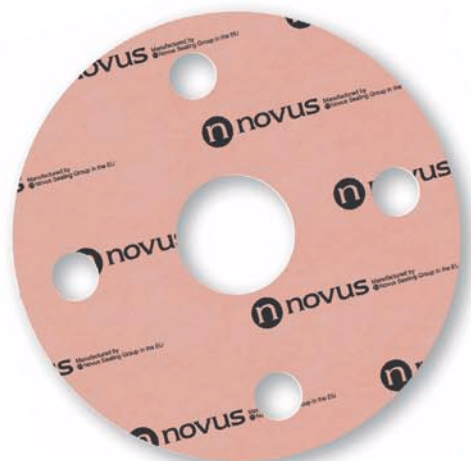
Conforms with FDA21 CFR 177.1550 regulations.

**AVAILABILITY**

Thickness range = 0.75mm to 3.0mm

Standard sheet sizes = 1.0m x 1.0m, 1.5m x 1.0m,

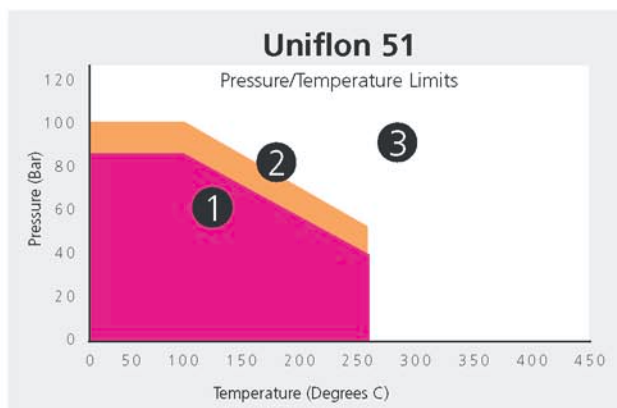
2.0m x 1.0m, 1.5m x 1.5m, 2.0m x 1.5m, 2.0m x 2.0m.



**Colour - Pink**

**TYPICAL PHYSICAL PROPERTIES**

Thickness		1.5mm
Density		2.2g/cc
Tensile Strength	ASTM F152	15MPa
Compression	ASTM F36	7%
Recovery	ASTM F36	40%
Residual Stress	BS7531(175°C)	32MPa
Creep Relaxation	ASTM F38	23%
Gas Permeability	DIN 3535	<0.01cc/min
Liquid Leakage	ASTM F37	0.21ml/hr



Suitable subject to chemical compatibility

- 1 Suitable in some cases but check your application requirements with Novus
- 2 Contact the Novus Technical Team for applications with higher temperatures and pressures. Applicable to 1.5mm and below.
- 3 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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