

Data / Specification Sheet • Novus Uniflon 58

Novus Uniflon 58 is a superior performance PTFE based material with highly conformable properties on the surface layers with a biaxially orientated pure PTFE core.

Service

Novus Uniflon 58 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 pH range with exception of molten alkali metals and fluorine gas. (See the chemical resistance chart for information).

Approvals / Compliance

Conforms with FDA21 CFR 177.1550 regulations.

Availability

Thickness range:
1.5mm to 3.2mm

Other thicknesses may be available on request.

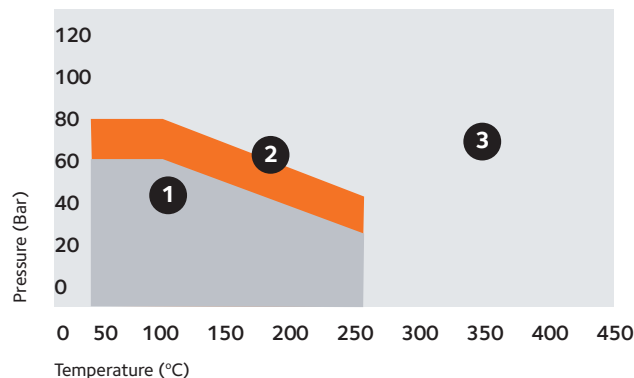
Sheet size:
1.5m x 1.5m



Physical properties

Thickness		1.5mm
Density		1.1g/cc
Tensile Strength	ASTM F152	9MPa
Compression	ASTM F36	55%
Recovery	ASTM F36	24%
Residual Stress	DIN @ 175°C	28MPa
Gas Permeability	DIN 3535	0.01ml/min
Liquid Leakage	ASTM F37	1.6ml/hr

Novus Uniflon 58 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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