



A Better Seal for the Environment

DATA / SPECIFICATION SHEET

NOVUS 49



Colour - Black

DESCRIPTION

Novus 49 is a compressed sheet material which combines a high percentage of graphite, reinforced with aramid fibres and a small amount of rubber binder.

SERVICE

Novus 49 is a high performance material with excellent mechanical properties. It is suitable for many applications including oils, solvents, high pressure steam and gases including oxygen.

APPROVALS / COMPLIANCE

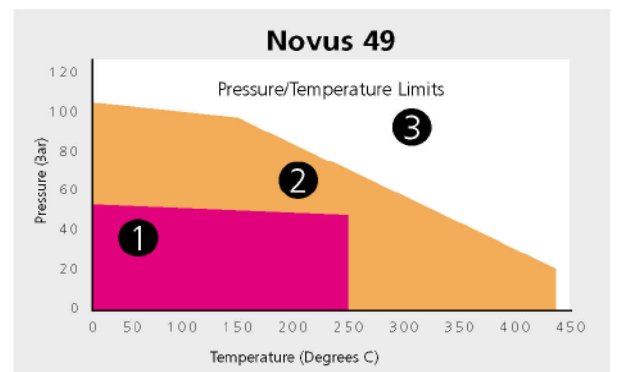
WRAS Potable Water
BAM (Oxygen service) up to 90°C and 160 bar
Complies with BS Specification 7531 Grade X
TA-LUFT (in accordance with VDI Guideline 2440)

AVAILABILITY

Thickness range = 0.4mm to 6.0mm
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
Available with fine mesh mild steel reinforcement: Novus 49 Metallic or gauze mild steel wire reinforcement: Novus 49 GWI.
Supplied with anti-stick coating as standard.

TYPICAL PHYSICAL PROPERTIES

Thickness		1.5mm
Density		1.65g/cc
Tensile Strength	ASTM F152	13MPa
Compression	ASTM F36	11%
Recovery	ASTM F36	55%
Residual Stress	BS7531 (300°C) DIN 52913	26MPa 31MPa
Gas Leakage	BS 7531	<1.0cc/min
ASTM Oil 1	Thickness Increase	1.0%
IRM 903 Oil	Thickness Increase	2.5%
ASTM Fuel B	Thickness Increase	2.5%



- 1 Suitable subject to chemical compatibility
- 2 Suitable in some cases but check your application requirements with Novus
- 3 Contact the Novus 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;

