

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

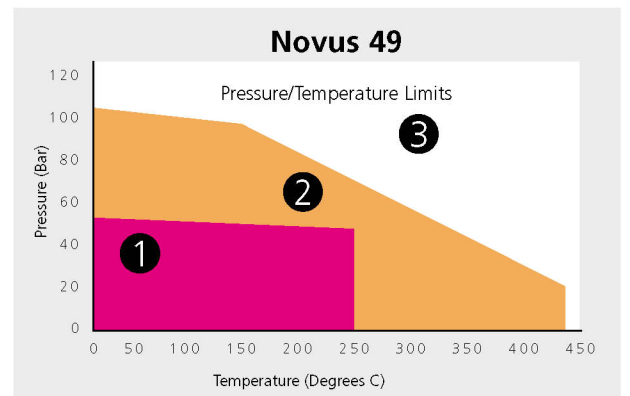
WRAS Potable Water  
 BAM (Oxygen service) up to 90°C and 160 bar  
 Complies with BS Specification 7531 Grade X  
 TA-LUFT (in accordance with VDI Guideline 2440)

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)	26MPa
	DIN 52913	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.

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