

Technical Data Sheet

MATERIAL PROPERTIES*: Novus 49

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

COLOUR: Black

SERVICE: Novus 49 Graftec 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.



TESTS & APPROVALS: WRAS Potable Water: Registration No. 1009505, BAM (Oxygen service) up to 90oC and 160 bar, Complies with BS Specification 7531 Grade X, TA-LUFT (in accordance with VDI Guideline 2440)

PHYSICAL PROPERTIES:

THICKNESS		1.5MM
DENSITY		1.65G/CC
TENSILE STRENGTH	ASTM F152	13MPA
COMPRESSION	ASTM F36	11%
RECOVERY	ASTM F36	55% MIN
RESIDUAL STRESS	BS 7531 (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%

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 Graftec Metallic or gauze mild steel wire reinforcement: Novus Graftec GWI. Supplied with anti-stick coating as standard.

Notes: * This is a general guide and should not be the sole means of selecting or rejecting this material. This data sheet covers basic information, for more comprehensive information, please contact us.

Asbestos Free



Certificate Number: 14352
 ISO 9001



Care should be taken in selecting the most suitable quality for each application. Advice is available, but final responsibility remains with the customer.

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