

Flexitallic®

novusTM
a Flexitallic brand

WILLIAM JOHNSTON
& COMPANY LIMITED

Data / Specification Sheet • Novus 10

Novus 10 is a premium grade compressed sheet material based on carbon fibre with a high quality nitrile rubber binder system.

5G
SHEET MATERIAL

Service

A universal grade especially suitable for use under alkaline conditions with good steam resistance. It also possesses excellent creep resistance and is suitable for use with oils, fuels and refrigerants.

Approvals / Compliance

BS Specification 7531 Grade X

API 607 Fire Safe

TA-LUFT (in accordance with VDI Guideline 2440)

GL Approval 37702 - 12HH

Availability

Thickness range:
0.4mm to 6.0mm

Standard sheet sizes:

2.0m x 2.0m
2.0m x 1.5m
1.5m x 1.5m
1.5m x 1.0m

Standard roll sizes:

Up to a maximum size of 6.0m x 2.0m

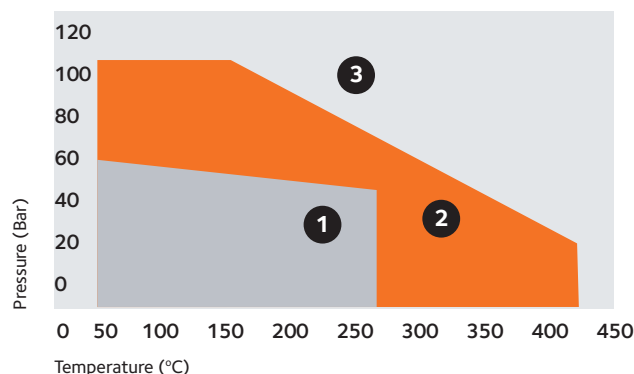
Available with a fine mesh mild steel reinforcement: Novus 10 Metallic, can also be supplied with anti-stick finish.

Supplied as standard with anti-stick coating, can also be supplied with graphite coating.

Physical properties

| | | |
|-------------------------|--------------------|----------|
| Thickness | | 1.5mm |
| Density | | 1.57g/cc |
| Tensile Strength | ASTM F152 | 13MPa |
| Compression | ASTM F36 | 11% |
| Recovery | ASTM F36 | 62% min |
| Residual Stress | BS 7531 (300°C) | 25MPa |
| Gas Leakage | BS 7531 | <1cc/min |
| ASTM Oil 1 | Thickness increase | 1.0% |
| IRM 903 Oil | Thickness increase | 2.5% |
| ASTM Fuel B | Thickness increase | 2.5% |

Novus 10 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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