

Data / Specification Sheet • Novus 34

Novus 34 is a superior performance universal compressed sheet material based on a blend of aramid/ inorganic fibres and special additives, with high quality nitrile rubber binder system.



Service

Novus 34, a superior performance material with excellent mechanical properties, it is suitable for many applications including oils, solvents, high pressure steam and gases including oxygen.

Approvals / Compliance

DIN-DVGW (Gas Industry) NG-5123
AR0822

WRAS Potable Water:
Registration No. 0405520

BAM (Oxygen service) up to 90°C
and 160 bar

Independently tested to Shell specification
MF 94-0960

Complies with BS Specification 7531
Grade X

Availability

Thickness range:
0.25mm 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

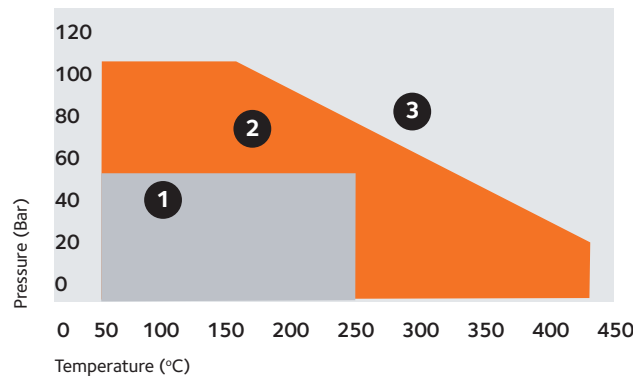
Available with fine mesh mild steel
reinforcement: Novus 34 Metallic or
gauze mild steel wire reinforcement:
Novus 34 GWI.

It can be supplied with anti-stick coating
and graphite coating.

Physical properties

| | | |
|-------------------------|--------------------|------------|
| Thickness | | 1.5mm |
| Density | | 1.75g/cc |
| Tensile Strength | ASTM F152 | 15MPa |
| Compression | ASTM F36 | 9% |
| Recovery | ASTM F36 | 55% min |
| Residual Stress | BS 7531 (300°C) | 26MPa |
| | DIN 52913 | 32MPa |
| 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 | 3.0% |

Novus 34 Pressure/Temperature Limits



- 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.