

DATA / SPECIFICATION SHEET

NOVUS 34

DESCRIPTION

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

SERVICE

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
 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
 TA-LUFT (in accordance with VDI Guideline 2440)

AVAILABILITY

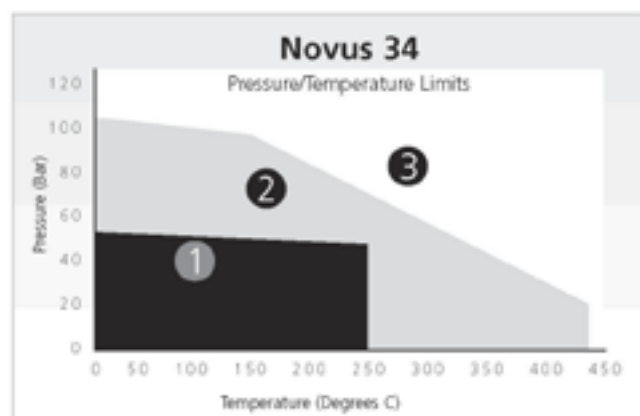
Thickness range = 0.25mm to 6.0mm
 Standard sheet sizes = 2.0m x 2.0m, 2.0m x 1.5m,
 2.0m x 1.0m, 1.5m x 1.5m, 1.5m x 1.0m.
 Standard roll sizes = up to a maximum size of 6.0m X 2.0m
 Available with fine mesh mild steel reinforcement: Novus 34
 Metallic or gauze mild steel wire reinforcement: Novus 34 GWI
 Can also be supplied with anti-stick and graphite coating.



Colour - White

TYPICAL 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 | BS7531 (300°C) DIN 52913 | 26MPa 32 MPa |
| 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% |



- 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.